

Build Kansas Fund | Fiscal Year 2024 Application Package | Memo



To: Senator Ty Masterson, Chair, Build Kansas Advisory Committee
Murl Riedel, 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 #2024-044-SEKRPC

Date: May 20, 2024

Attached, please find an application made to the Build Kansas Fund by the City of Independence. The application packet includes the following items:

- Coversheet – provides a high-level overview of the application including a unique identification number, page 1 of 10 of the Build Kansas Fund Application Package.
- Build Kansas Fund Application – includes information submitted with the Build Kansas Fund Application, pages 2-8. Page 8 provides the table of funding sources.
- Attachments – Executive Summary, pages 9-10.

Project Overview

Under the Airport Infrastructure Grant (AIG) Program, the Federal Aviation Administration will provide funding for investments in runways, taxiways, safety, and sustainability projects, as well as terminal, airport-transit connections and roadway projects. The Independence Municipal Airport Rehabilitate Taxiways Project will rehabilitate both the asphalt and concrete portions of the Runway 17-35 and several taxiways which are experiencing failures as expected for pavement of its age. Completing these items will extend the life of the pavements and increase the safety on the airfield by reducing the concern for FOD and providing clear, bright pavement markings.

This opportunity is a discretionary BIL program with a local match requirement of 10% of the total project cost. The entity is requesting \$36,711.00 from the Build Kansas Fund. This request has the potential to unlock \$330,396.00 in federal funds.

The federal deadline is May 31, 2024 and this Build Kansas Fund application was received on April 21, 2024.

Build Kansas Fund Steering Committee Recommendation

The Build Kansas Fund Steering Committee reviewed this application on May 1, 2024, 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 2024 Application Package | Coversheet



Build Kansas Fund Application Number	2024-044-SEKRPC
Project Name	Independence Municipal Airport – Rehabilitate Taxiways
Entity Type	Local Government
Economic Development District (EDD) Planning Commission	SEKRPC – Southeast Kansas Regional Planning Commission
Infrastructure Sector(s)	Transportation
BIL Program	Airport Infrastructure Grant (AIG)
BIL Program Type	Formula
BIL Application Deadline	5/31/2024
Build Kansas Fund Request	\$36,711.00
Technical Assistance Received	General No
	BIL Application No
	Build Kansas Fund Application Yes
	Other (Brief Description): Provide BKF application support to applicant
Application Notes	Build Kansas Fund contribution of \$36,711 will unlock \$330,396 in federal BIL funding.

Steering Committee Funding Recommendation	5/1/2024 Recommend
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Advisory Committee Target Review	DATE Recommend or Decline
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Advisory Committee Funding Recommendation	DATE Approve or Decline
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Completeness Review Data

Date Build Kansas Application Received:	4/21/2024
Date Of Completeness Check:	4/28/2024
Date Forwarded to Steering Committee:	4/29/2024

Title **City of Independence, Kansas** 04/21/2024
by **Ian Wright** in **Build Kansas Fund Fiscal Year 2024 Application** id. 46297645
iwright@hwlochner.com

Original Submission 04/21/2024

Score n/a

Part 1: Applicant Information

The name of the entity applying for the Build Kansas Fund: City of Independence, Kansas

Project Name: Independence Municipal Airport (IDP) - Rehabilitate Taxiways

Entity type: Local Government

Applicant Contact Name: John Garris

Applicant Contact Position/Title: Public Works & Utilities Director / City Engineer

Applicant Contact Telephone Number: +16203322542

Applicant Contact Email Address: engineer@independencesks.gov

Applicant Contact Address: 120 North 6th Street

Applicant Contact Address Line 2 (optional):

Applicant Contact City: Independence

Applicant Contact State: Kansas

Applicant Contact Zip Code: 67301

Is the Project Contact the same as the Applicant Contact?	No
Project Contact Name:	Ian Wright
Project Contact Position/Title:	Project Manager / Civil Engineer
Project Contact Telephone Number:	+13165189244
Project Contact Email Address:	iwright@hwlochner.com
Project Contact Address:	15717 College Boulevard
Project Contact Address Line 2 (optional):	
Project Contact City:	Lenexa
Project Contact State:	Kansas
Project Contact Zip Code:	66219

Part 2: Build Kansas Fund - Eligibility Criteria

Certify that you are pursuing a viable Bipartisan Infrastructure Law (BIL) funding opportunity for which your entity is eligible:	No
Certify that the Bipartisan Infrastructure Law (BIL) funding opportunity you are pursuing has a required non-federal match component:	Yes

Based on your selection, you may not be eligible. The Build Kansas Fund must be used for grants with a required match under the Bipartisan Infrastructure Law (BIL) and be funded through the BIL. Please refer to the Build Kansas Fund requirements before continuing and please reach out to a Kansas Hub Capacity Extension Team member to provide further assistance.

What is the primary county that the project will occur in? Montgomery County

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](#)

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: Bipartisan Infrastructure Law Airport Infrastructure Grant Funding

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 application due date for this Bipartisan Infrastructure Law (BIL) funding opportunity? 5/31/2024

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: \$330,396.00

Enter the required non-federal match percentage: 10.0

Part 4: Build Kansas Fund - Match Application Information

Enter the non-federal match amount being requested from the Build Kansas Fund: \$36,711.00

Is the project able to move forward with a lesser match amount than requested? Yes

If you are awarded less match than the amount requested, at what amount would your project NOT be able to move forward? 0.0

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.xlsx](#)

Part 5: Build Kansas Fund - Means Test

Confirm that there are no available funding sources currently planned to go unused by your entity that could be leveraged for this project: Yes

Confirm there are no available American Rescue Plan Act (ARPA) or Coronavirus State & Local Fiscal Recovery Fund monies that could be used for this match:

Yes

Confirm that you have explored other readily available funding sources (federal or non-federal) to be used for this match:

Yes

Briefly describe your efforts to find other available funding sources for this project:

The Bipartisan Infrastructure Law (BIL) local match to the federal grant has been planned for utilizing local funding mechanisms. At this point in time and throughout past research, there are no known funding sources available (federal or local) that could fund the BIL local match.

Part 6: Additional Information

Please upload a copy of the Bipartisan Infrastructure Law (BIL) program application associated with this request OR a 2-page executive summary providing an overview of the project:

[IDP_TW_Rehab_-_Executive_Summary_-_Build_Kansas_Fund.docx](#)

Provide any additional information about this project (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: Ian
The following Wright
persons are
responsible for
making this Build
Kansas Fund
application.

Position/Title: Project Manager / Civil Engineer

Additional:

Position/Title:

Additional:

Position/Title:

Additional:

Position/Title:

Internal Form

Score n/a

Pre-Award Information:

Post-Award Information:

Deviation Report:

Source	Amount		Zip Code	% of project in zip code
BIL Federal Funds (applied for)	\$ 330,396.00		67301	100
Build Kansas Funds (non-federal match)	\$ 36,711.00			in Kansas
Additional Project Contribution (if applicable)	\$ -			
TOTAL PROJECT COST	\$ 367,107.00			

Description of the Project

The City of Independence, Kansas (City) and H.W. Lochner, Inc. (Lochner) entered into a contract for engineering services to rehabilitate both the asphalt and concrete portions of the Runway 17-35 parallel taxiway, north compass calibration pad connecting taxiway, and the blast pad connecting taxiway.

Project Location, Analysis of Current Airfield Conditions, and Needs Addressed

The Independence Municipal Airport is located a few miles southwest of Independence, Kansas in central Montgomery County in southeastern Kansas. The airport consists of two runways, asphalt Runway 17-35 (5,501' x 100') and asphalt Runway 4-22 (3,402' x 60'). In addition to the runways, the airfield consists of a parallel taxiway for Runway 17-35 and multiple connecting taxiways. Per the FAA Form 5010-1 Airport Master Record, the airport currently serves 10 single-engine based aircraft in addition to the Textron aircraft manufacturing facility located on site. Runway 17-35 has an Airport Reference Code (ARC) of B-II and Runway 4-22 has an ARC of B-I. A particular ARC is assigned to the runway based upon characteristics of the typical aircraft (design aircraft) that is expected to use the pavement. The focus for this project will be on Parallel Taxiway A, Taxiway C, and Taxiway E, which are classified as Taxiway Design Group (TDG) 2B.

Lochner's site visit to the airport in October 2023 confirmed that the Runway 17-35 parallel taxiway is experiencing failures as expected for pavement of its age. The north half of the parallel taxiway, consisting of asphalt pavement, was last rehabilitated with an asphalt overlay in 2015. This portion of pavement displayed longitudinal and transverse cracking on the surface along with visible surface oxidation. In addition, there is vegetation growing through the cracks indicating the cracks are large enough to support a reservoir of water that could possibly penetrate the subsurface over time. The south half of the parallel taxiway, end connecting taxiways, and blast pad connecting taxiway consist of concrete pavement that was reconstructed in 2008. There are a few instances of fractures spanning the entire length of the panel. In some cases, the cracks spanned over multiple concrete panels. Other pavement defects observed included joint spalling, loose and missing joint sealant, as well as concrete pop-outs. Overall, the pavement during the site visit was in fair to good condition. To minimize Foreign Object Debris (FOD) across the airfield and to keep the pavement accessible to based and itinerant aircraft without harming their safety or damaging their property, the pavement requires regular maintenance.

Expected Project Outcomes

The *KDOT Aviation 2022 Pavement Management Plan (PMP)*, completed by Garver in November 2022, lists the concrete portion of the parallel taxiway, end connecting taxiways, and north blast pad connecting taxiway as having a Pavement Condition Index (PCI) ranging from 80 to 92. The asphalt portion of the parallel taxiway and connecting taxiways pavement has a listed PCI ranging from 62 to 67. The PCI applies a numerical value to the condition of various pavements across the airfield which helps determine the repair method applicable for the specific section of pavement. As mentioned previously, the pavement areas within the scope of this project are in fair to good condition, however the pavements' structural integrity could decrease substantially if not maintained over time. To increase PCI values and extend the useful life of the various pavement structures, the following rehabilitation efforts are proposed:

- Remove pavement markings
- Remove concrete joint sealant and other deleterious materials inside the concrete joints
- Repair failed concrete panels (remove and replace or route and seal cracks) and joint spalling
- Reseal concrete joints

- Remove asphalt joint seal material and other deleterious materials inside asphalt cracks and joints
- Route, clean, and seal asphalt cracks and joints
- Apply surface seal coat treatment application to asphalt surface
- Remark affected airfield pavements

All pavement markings located within the pavement rehabilitation limits will be remarked with this project. In addition, Taxiway D located between the parallel taxiway and Runway 17-35 will be remarked with this project. All pavement markings will be designed according to FAA AC 150/5340-1M *Standards for Airport Markings*. Waterborne paint will be used for all pavement markings and Type-I glass beads added for reflectorized markings, unless otherwise noted, in accordance with FAA Specification P-620 *Runway and Taxiway Painting*.

Project Goals

Completing these items will extend the life of the pavements and increase the safety on the airfield by reducing the concern for FOD and providing clear, bright pavement markings. Extending the life of the pavements allows the City of Independence to wisely manage their federal and local funding allotment at the airport to continually address the highest areas of need.

Project Collaborators

- Federal Aviation Administration (FAA)
- City of Independence, Kansas
- Lochner
- Textron Aviation
- Other Local Tenants Based at the Independence Municipal Airport

Budget

\$327,521 FY2024 FAA AIP Grant – 028 (90%)
 \$36,392 Local Matching Funds for Grant – 028 (10%)

\$330,396 FY2024 FAA BIL Grant – 029 (90%)
\$36,711 Local Matching Funds for Grant – 029 (10%)

\$24,030 FAA-Ineligible Construction Costs
 \$755,050

Total Project Costs