

**FY 2024 Bridge Investment Program (BIP) Planning
Projects Application Template**

Budget Narrative

Kay County is requesting \$279,158 from the Bridge Investment Program Planning grant for the below line items to study the feasibility of replacing the Hunnewell Bridge on 108th St N over the Chikaskia River. All amounts include 3% inflation per year, and 20% contingency has been added. No other federal funds will be used for the Project. No other Federal grants have been requested or awarded to the Project. All the match (20%) for the Project will come from CED 8's allocation of the ODOT CIRB fund. A letter of funding commitment from CED 8 is attached to this application.

Hunnewell Bridge Replacement Project Budget				
Use of Funds	ODOT CIRB Funds	Other Federal Funds	BIP Funds	Total Future Project Cost
Feasibility Study and Alternatives Analysis	\$18,309	\$0	\$73,236	\$91,545
Section 4(f) Evaluation	\$4,308	\$0	\$17,232	\$21,540
Public Involvement	\$4,308	\$0	\$17,232	\$21,540
Survey	\$10,770	\$0	\$43,080	\$53,850
Hydrology & Hydraulics	\$8,616	\$0	\$34,464	\$43,080
Geotechnical Investigations	\$17,232	\$0	\$68,928	\$86,160
Feasibility Plans	\$12,924	\$0	\$51,696	\$64,620
Subtotal:	\$58,158	\$0	\$232,632	\$290,790
Contingency (20%)				\$58,158
TOTAL	\$69,790	\$0	\$279,158	\$348,948
Percent (%)	20%	0%	80%	100%

Feasibility Study and Alternatives Analysis- The planning project will include a feasibility study to investigate potential alternatives to address the deficiencies of the existing bridge. This will include alternatives to preserve the bridge (pursuant to Section 4(f)) as well as replace the bridge. Options will include rehabilitation, building a new bridge while preserving the existing, or removing and replacing the existing bridge. The study will provide the basis for future National Environmental Policy Act (NEPA) documentation. Analysis of the bridge, roadway approaches, hydraulics, and environmental impacts will be included. The study would also serve as the basis for collaboration and coordination with stakeholders.

Public Involvement – Kay County will complete outreach and coordination with the affected communities, including mailings, local publications and community facilities to solicit input. An on-line component will also be considered. This outreach will be documented in the Feasibility

Study and will also inform the Section 4(f) evaluation. Public input on the options to either preserve or replace the existing bridge will be obtained.

Section 4(f) Evaluation- The Hunnewell bridge is considered eligible for inclusion in the National Register of Historic Places (NRHP) and is subject to review under Section 4(f) of the Department of Transportation Act. The BIP planning grant will support the completion of a Programmatic Section 4(f) Evaluation based on the feasibility study described above. Kay County will work with ODOT and FHWA to complete the required consultation with the State Historic Preservation Office.

Survey- The survey will provide topographic data to inform the future design, construction, and maintenance of the bridge.

Hydrology & Hydraulics- A H&H study is needed to understand watershed characteristics, flood risk analysis, and sediment transport and erosion for bridge design considerations.

Geotechnical Investigations- This is needed to determine the feasibility of replacement alternatives. This data will eventually allow Kay County to optimize the design of the supporting substructures and determine foundation design parameters.

Feasibility Plans- Conceptual plans would be developed for the preferred alternative from the feasibility study/Section 4(f) analysis. The plans would provide the basis for future design and NEPA documentation.