



Project Narrative

145th N Bridge Replacement Project Bonnevill County, Idaho

Fiscal Year (FY) 2023 Bridge Investment Program, Planning Grant

at the intersection of four Census Tracts: 9715, 9602, 9703, and 9601. Census Tract 9601 is categorized as a historically disadvantaged community according to the 2020 US Census. The 145th N structure provides a critical river crossing that links the unurbanized western side of the Snake River to the urbanized eastern side of the Snake River.

PROJECT PARTNERS

Bonneville County is the lead applicant for the project and is supported by Jefferson County. Neither county has a history of receipt or expenditure of federal grants. Bonneville will coordinate with the Local Highway Technical Council to ensure appropriate administration of the grant. This will include ensuring a federal aid compliant project procurement process is followed and payments are coordinated/reported correctly to DOT. Bonneville County Road and Bridge will maintain the bridge post replacement.

II. NATIONAL BRIDGE INVENTORY DATA

A summary of the National Bridge Inventory (NBI) data for the 145th N Bridge in Bonneville, County is shown in the **BIP Planning Template** and included **Bridge Inspection Reports**. Along with the NBI summary, it is important to note that in the last eight years of inspection, Item 75A of the NBI has listed proposed work to improve the structure as code 31. This means that over the last eight years “Replacement of the bridge because of substandard load carrying capacity or substandard bridge geometry” is recommended from inspection.

III. PROJECT BUDGET – GRANT FUNDS, SOURCES, AND USES

This project is seeking planning level funds to complete a feasibility study for replacement options for the 145th N bridge in Bonneville County. The non-federal match for this project will be provided by Bonneville and Jefferson Counties through their yearly road and bridge budgets. There are no conditions or requirements tied to the match funding.

Table 1 below details the funding breakdown for this project. 10% of the project cost is for grant administration costs by LHTAC. The rest of the funding is targeted at the cost of the field data required and to complete the feasibility study. Field work will be conducted to ensure a feasible alternative is recommended for design from the lenses of hydraulics, geotechnical, and environmental discipline. This will include preliminary site survey, geotechnical evaluation and boring, and an environmental scan. Survey will also be performed to establish the highwater marks, bathometric data, and develop a topographic surface to use in evaluating both preliminary hydraulics and alignment alternatives. Additionally, the feasibility analysis will determine the appropriate alternative by evaluating impacts, costs, and public involvement and feedback.

Table 1: Project Cost Estimate

Grant Element	Cost
Grant Administration	\$40,000.00
Survey	\$70,000.00
Geotechnical analysis	\$100,000.00
Environmental Scan	\$50,000.00
Feasibility Analysis	\$150,000.00
Total Project Estimate	\$410,000.00

Below is the estimated project schedule. It is estimated that it could take up to a year to hear back on grant award, get under contract, and put an RFP out for project procurement. After that, the feasibility study is estimated to take approximately 9 months. The end deliverable will be a completed study with a recommended alternative for replacement and adoption of the project into the TIP so the County can seek construction funding. For simplification purposes, Quarter 1 starts when the grant application is submitted.

Table 2: Estimated Project Schedule

	Year One								Year Two							
	Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4	
Grant Scoring and Award																
Procurement																
Data Collection																
Feasibility Study																
Tip Adoption																