

#21-17

FEDERAL AID BRIDGE PROGRAM RESOLUTION FOR COUNTY AND URBAN PROJECTS

WHEREAS, Brookings County desires the X replacement or removal of the bridge hereinafter described:

STRUCTURE NUMBER AND LOCATION: SN 06-210-198 Approx. 1.8 S and 1.0 W of Aurora on 475th Avenue (44.25559N, -96.70742W)

LIST OF CURRENT LANDOWNERS ADJACENT TO THE PROJECT (NAMES & ADDRESSES): Robert and Anita Wells, 4025 44th St. South, Brookings, SD 57006; Rex Collins, 47519 214th St., Aurora, SD 57002.

AND WHEREAS, Brookings County is obligated and hereby agrees to provide proper maintenance as required by the Federal Highway Act as amended and supplemented thereto for project after construction is completed and to regulate or cause to be regulated the installation of utility facilities within the limits of the right-of-way of the proposed project in accordance with State and Federal requirements.

AND WHEREAS, Brookings County is obligated and hereby agrees to reimburse the State for all costs not reimbursable with Federal Bridge Funds.

AND WHEREAS, the bridge is in need of replacement for the following reasons:

- 1. The condition rating is Poor.
2. For Replacement project the bridge is not located on a County or Township designated No Maintenance or Minimum Maintenance Road.
3. For Removal project the bridge location will not be eligible for federal or state bridge funds in the event that a bridge is reconstructed. The owner agrees to submit a separate resolution to delete the structure from the National Bridge Inventory upon completion of the project.
4. The bridge is located on a Federal Aid Route, a school bus route, a mail route, a field to farm to market route, a lake or recreation access route, or other (please specify).
4. The load carrying capacity of the existing bridge can or cannot X be improved to carry legal loads by rehabilitation of the existing bridge.

NOW THEREFORE BE IT RESOLVED:

That the South Dakota Department of Transportation be and hereby is authorized and requested to program for construction, in accordance with the "Local Roads Plan" and the State's "Standard Specifications for Roads and Bridges," the bridge project at the above described location. Items to be handled by State forces with Federal Participation will include hydraulic study review, foundations investigation (if necessary), plan reviews, and construction administration.

Table with 2 columns: Description, Amount. Rows: Estimated Cost of Project Including Engineering: \$ 1,500,000.00; Federal Share (81.95%): \$ 1,229,250.00; Local Share (18.05%): \$ 270,750.00.

Vote of Commissioners/Council: Yes 5 No 0

Dated at Brookings, SD, this 6th day of April, 2021.

ATTEST [Signature] County Auditor/City Finance Officer

[Signature] Chairman/Mayor





2021 APPLICATION FOR LOCAL FEDERAL BRIDGE REPLACEMENT or REMOVAL FUNDS

South Dakota Department of Transportation
SUBMIT APPLICATION TO: Wade.Dahl@state.sd.us

Must be postmarked by April 9, 2021

Identification	NBI Structure # 00000006210198	Federal Aid Route Number: NA
	Owner: Brookings County	Over: Medary Creek
	Location: 1.8 S and 1.0 W of Aurora	Road/Street/Avenue Name: 475th Avenue
	LPA Calculated Modified BIG Score: <u>32.54</u> points for Condition + <u>1.84</u> points for User Impact = <u>34.38</u> points	
Preliminary Engineering: <input type="checkbox"/> Completed by Local OR <input type="checkbox"/> Completed by BIG Grant PCN _____ OR <input checked="" type="checkbox"/> To be included with this program		
Eligibility	<input checked="" type="checkbox"/> Replacement Projects: (Provide explanation below if any of the following are False) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Bridge is on the National Bridge Inventory? <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Bridge overall condition is rated as Poor? (Per list of eligible structures as provided by SDDOT) <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Local Government currently has funds or ability to obtain funds to provide an 18.05% match on all eligible costs? <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Local Government currently has funds or ability to obtain funds to cover all in-eligible costs? <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Bridge site currently has access and no issues with initiating field survey work? <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Bridge site has adequate right of way or there are no concerns with acquiring adequate right of way <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Structure serves multiple residences, farms, ranches or a multi-lot development? <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Structure is located on a Full Maintenance Road? <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Roadway does not terminate into a field entrance, driveway, single residence, farm, or ranch? <input checked="" type="checkbox"/> True <input type="checkbox"/> False – Local Public Agency (LPA) is in full compliance with Federal and State NBIS requirements? <input checked="" type="checkbox"/> True <input type="checkbox"/> False – General maintenance been performed on the structure? For PE completed by Local: Include a Type, Size, & Location (TS&L) report with application	
	<input type="checkbox"/> Removal Projects: (Provide explanation below if any of the following are False) <ul style="list-style-type: none"> <input type="checkbox"/> True <input type="checkbox"/> False – Bridge is on the National Bridge Inventory (NBI)? <input type="checkbox"/> True <input type="checkbox"/> False – Bridge is currently closed to traffic? <input type="checkbox"/> True <input type="checkbox"/> False – Owner has no intent to replace bridge with an NBI size structure? 	
Work Description	<p><u>The existing structure is in poor condition due largely to the condition of the superstructure in combination with the condition of the substructure. The structure is also narrow and is posted below legal loads (16-26). The proposed work would include a site survey and hydraulic analysis to determine structure sizes for replacement options, selection of an acceptable structure size and layout, development of construction plans for a new structure and approach grading, and construction of the replacement structure. The existing structure is an 86.5' three-span steel beam bridge (no skew) with a corrugated metal deck, steel pile and timber plank abutments and steel pile bents, and a 19.4' clear roadway. For estimating purposes, a 130.0' three-span continuous concrete bridge, 0° skew, with concrete bents and abutments, and a 28.0' clear roadway, is being considered.</u></p>	
LPA Authorization	<p><u>Brian Gustad, Brookings County Highway Superintendent</u></p> LPA Contact (print) Contact email and phone number: <u>BGustad@brookingscountysd.gov, (605) 695-4371</u> Attach resolution from Commission/Council authorizing application for grant.	