



CITY OF NORMAN, OK STAFF REPORT

MEETING DATE: 10/11/2022

REQUESTER: Joseph Hill, Streets Program Manager

PRESENTER: Shawn O'Leary, Public Works Director

ITEM TITLE: CONSIDERATION OF APPROVAL, ACCEPTANCE, REJECTION, AMENDMENT, AND/OR POSTPONEMENT OF CONTRACT K-2223-49: A CONTRACT BY AND BETWEEN THE CITY OF NORMAN, OKLAHOMA, AND GARVER, L.L.C., IN THE AMOUNT OF \$471,309 FOR THE DESIGN OF THE 60TH AVENUE N.E. BRIDGE OVER ROCK CREEK AND PHASE 1 ENGINEERING STUDY OF THE NORTH PORTER AVENUE BRIDGE OVER LITTLE RIVER.

BACKGROUND:

The Oklahoma Department of Transportation (ODOT) is tasked by the Federal Highway Administration (FHWA) to perform Bridge Safety Inspections for all publicly owned structures greater than 20 feet in length. Inspections are performed at least once every two years to identify any critical findings, document the bridge condition and make repair recommendations if necessary. The City of Norman currently has 75 bridges requiring inspection per FHWA criteria.

On October 26, 2021, City Council approved Resolution R-2122-45 selecting H.W. Lochner, Inc. as the City of Norman's appointed Bridge Inspection Consultant to the Oklahoma Department of Transportation for compliance with the National Bridge Inspection Standards.

H.W. Lochner completed the required Bridge Safety Inspections in December 2021, and provided the inspection reports to city staff. Data obtained from the Bridge Safety Inspections were used to identify bridges that are in need of rehabilitation, maintenance, and/or replacement.

The 2021 Bridge Safety Inspection results identified 4 structurally deficient bridges, 8 functionally obsolete bridges, and 14 bridges at risk of becoming structurally deficient. Based on this data, city staff identified and ranked bridges in need of maintenance, rehabilitation, and replacement.

On June 13, 2022, a Notice of Funding Opportunity (NOFO) was released by the FHWA for its Bridge Investment Program (BIP). Through the Infrastructure Investment and Jobs Act (IIJA), the BIP funding can be used for planning, bridge investment, and large bridge investment. The goals for the program as stated by the FHWA are as follows:

- Improve condition by reducing the number of miles traveled over bridges:
 - In poor condition
 - In fair condition and at risk of falling into poor condition
 - That do not meet current geometric design standards
 - That cannot meet the load and traffic requirements of the regional transportation network
- Improve safety, efficiency, and reliability of the movement of people and freight over bridges
- Provide financial assistance that leverages and encourages non-Federal contributions

In preparation of the FYE 2023 BIP grant application deadline and utilizing the rank-ordered bridge list, staff selected Bridge NBI No. 09189 over Rock Creek located on 60th Avenue NE between Rock Creek Road and Tecumseh Road (Ward 5) for reconstruction design and Bridge NBI No. 05724 over Little River on North Porter Avenue between Tecumseh Road and Franklin Road (Ward 6) for a two-dimensional hydraulic and hydrologic model and detailed engineering report.

On June 23, 2022, City staff advertised Request for Proposal RFP 2122-41 to solicit Consulting Engineering Services for the reconstruction design of Bridge NBI No. 09189 and a two-dimensional hydraulic and hydrologic model and detailed engineering report for Bridge NBI No. 05724. Nine (9) proposals were received by the 4:00 pm deadline on July 28, 2022. The selection committee consisting of three (3) City staff (Joseph Hill, Streets Program Manager; Chris Smith, Construction Manager; and Brandon Brooks, Staff Engineer); and two (2) citizens (Donna Riesland and Sunny Day) shortlisted three (3) consultant teams for interviews held August 18, 2022. Following the interviews, the consultant team selected was Garver, LLC based in Norman, Oklahoma.

Tonight's agenda item is to award the contract for the reconstruction design of Bridge NIB No. 09189 as well as a two-dimensional hydraulic and hydrologic model and detailed engineering report for Bridge NBI No. 05274. Maps of the locations are attached.

DISCUSSION:

Garver, LLC, is prepared to begin work immediately on this project after the Notice to Proceed is issued to ensure that the City is prepared for construction on Bridge NBI No. 09189 as soon as possible and grant opportunities going forward for Bridge NBI No. 09189 and Bridge NBI No. 05724.

Garver, LLC's Scope of Services includes:

Bridge NBI No. 09189 – 60th Avenue NE

- Detailed Topographic Survey
- Hydraulic and Hydrologic Analysis
- Geotechnical Investigations and Design
- Design Plan submittals at 30%, 60%, and Final Plan stages
- Utility Investigations

- Environmental Studies and Permitting
- Conduct Public Meetings
- Right-of-Way Survey, Documents, and Staking
- Construction support and record drawings

Bridge NBI No. 05274 – North Porter Avenue

- Conceptual Design Drawings
- In Depth Hydraulic and Hydrologic Analysis
- Environmental Analysis
- Survey, Right-of-Way Documents, and Staking
- Utility Locates and Relocation Coordination

The fee for Bridge NBI No. 09189 is \$293,716 with an estimated completion in January 2024. The fee for Bridge NBI No. 05724 is \$177,593 with an estimated completion of April 2023. This contract will be funded from the Bridge Maintenance Program Project TC0254 (Org 50596687; Object 46201).

The contract, which includes a detailed scope, schedule, and fees is attached.

Construction of Bridge NBI No. 09189 can commence upon completion of the designs. Funds for construction have not been secured. The available funding options are year-to-year savings from the Bridge Maintenance Program account, a Capital Fund allocation, or a federal grant through the Bridge Investment Program.

For Bridge NBI No. 05724, a final construction plans will be required before any construction can begin. Funds for final construction plans have not been secured. The available funding options are year-to-year savings from the Bridge Maintenance Program account, a Capital Fund allocation, or a federal grant through the Bridge Investment Program.

RECOMMENDATION 1:

Staff recommends approval of Contract K-2223-49 with Garver, LLC, for the design of the 60th Avenue NE Bridge over Rock Creek and Phase 1 Engineering Study of the North Porter Avenue Bridge over Little River.