

City Council Agenda Memo

From: Jackie Lanning, City Engineer

Council Meeting: December 8, 2020

Subject: Project Update: 20th Street South BUILD Grant/Interchange

Person(s) Responsible: Jackie Lanning, City Engineer

Summary:

The City of Brookings was awarded a federal “Better Utilizing Investments to Leverage Development” (BUILD) Grant to construct 20th Street South between 22nd Avenue South and 34th Avenue South along with an interchange at I-29 & 20th Street South. The engineering firm HDR was hired to complete the first phase of the project, which will include the Interstate Justification Report, environmental assessment, right-of-way and design. Staff will provide an update of the project and the 60% construction cost estimate.

Background:

The BUILD grant was awarded to the City of Brookings in the fall of 2019. The grant provides for constructing 20th Street South from 22nd Avenue South to 34th Avenue South along with a new interchange. The BUILD Grant was awarded through the U.S. Department of Transportation for a total project cost anticipated at \$23,347,037. Approximately \$4,669,407 or 20% of the funding is local. This local match is met with City partners including \$2 million from Brookings County, \$669,407 from Private Donors and \$2 million of City funding to make the project possible.

In January, City staff met with the State and Federal government officials. A timeline was developed to meet the grant deadlines and notice was given that all engineering, design, environmental, etc. needs to be finalized by June 2021 and bidding for construction is anticipated in September 2021. To meet this aggressive timeline, the State has agreed to take the administrative lead while the City is identified as the project manager. This grants the state greater oversight as they have extensive knowledge and experience with federal grants, timelines, funding and large scale projects.

Item Details:

On March 10th, HDR was hired as the engineering team to complete the first phase of the project, which will include the Interstate Justification Report, environmental assessment, right-of-way, and design. Staff will provide an update of the process to this point, the current project schedule, and describe the 60% construction cost review. A summary of the 60% project estimate is as follows:

20th Street South Interchange Project

TASK	GRANT APP	30% Estimate	60% Estimate	90% Estimate
Design/ROW/DOT Costs/Utility Relocation	▪ \$1,912,639	▪ \$2,826,284	▪ \$2,826,284	
Wetland Mitigation	▪ \$186,090	▪ \$186,090	▪ \$186,090	
Construction Administration (DOT)	▪ \$1,604,063	▪ \$1,604,063	▪ \$1,604,063	
Construction Costs (Asphalt)*	▪ \$19,644,245	▪ \$18,193,035	▪ \$18,354,703	
Construction Costs (Concrete)*	▪ \$19,644,245	▪ \$18,536,885	▪ N/A	
Total Estimate with Asphalt	▪ \$23,347,037	▪ \$22,809,472	▪ \$22,971,140	
Total Estimate with Concrete	▪ \$23,347,037	▪ \$23,153,322	▪ N/A	

*Only one pavement type will be bid

The 90% review is tentatively scheduled for February, 2021.

Legal Consideration:

None.

Strategic Plan Consideration:

This project meets the comprehensive transportation component of the Brookings Area Master Transportation Plan. This project also furthers the accomplishment of a City Council Strategic Initiative - Provide for the planning, financing, and construction of East 20th Street South Interchange with I-29.

Financial Consideration:

The local match of \$4,669,407 has been set aside through prior City Council action. In addition, the City and County adopted a Memorandum of Understanding for reimbursement. The updated cost estimates are provided at the 30%, 60%, and 90% stages of the project.

Supporting Documentation:

Map

Presentation