

## Agenda Item Details

Meeting	Mar 05, 2024 - Bryan City Council Second Regular Meeting
Category	6. Statutory (Automatic Approval) Agenda - This agenda consists of items previously approved by Council action such as adoption of items that are part of an approved budget or capital improvement projects, first and only readings of ordinances, interlocal agreements, or action that is required by law or delegated to the City Manager. Items may be removed from the statutory agenda for separate consideration at the request of two Councilmembers.
Subject	F. Approval of the Engineering Design Contract for the design phase of the Mumford Road Widening Phase 1 Project, City Project Number 332-D3-2329, to Goodwin Lasiter Strong for the not-to-exceed amount of \$596,200
Type	Action (Statutory)
Preferred Date	Mar 05, 2024
Absolute Date	Mar 05, 2024
Fiscal Impact	Yes
Dollar Amount	596,200.00
Budgeted	Yes
Budget Source	2024 Bonds
Goals	<a href="#">Public Safety</a> <a href="#">Infrastructure</a> <a href="#">Economic Development</a>

### Summary:

Goodwin Lasiter Strong was selected through a Request for Qualifications process (RFQ 24-013) and chosen as the most qualified to begin negotiations with out of five responding engineering firms. This project, Mumford Road Widening Phase 1, is in the approved Capital Improvement Projects 5-year Plan.

The scope of work for the engineering design of Phase One includes, but is not limited to, the following:

- Determination of the most appropriate improvements at the intersection of Mumford Road and FM 2818. Solutions should prioritize safety and efficiency while taking into account the existing and proposed increases in truck/tractor-trailer traffic. Final decisions will involve the TxDOT Bryan District Office. The FM 2818 study prepared by the Bryan College Station Metropolitan Planning Organization should be reviewed for recommendations
- Preparation of plan and profile drawings for a new section of roadway for Mumford Road
- Drainage analysis and storm sewer design
- Bridge design
- Design of an 18" waterline aerial crossing on the upstream side of the proposed bridge
- Roadway and bridge construction details

- Lighting plan
- Traffic control and phasing plans
- Development of the hydrologic and hydraulic modeling needed to prepare and submit a LOMR to FEMA based upon the as-built condition of the new bridge structure
- Preparation of construction cost estimates for the different components of the project at various milestones, including recommendations for Mumford Road and FM 2818 intersection
- Identification of any necessary right-of-way acquisition
- Development of technical specifications
- Preparation of bid documents
- Preparation of as-built drawings

Please see Attachment A (Design Contract) for a full scope of work.

The project is located at the south side of the Texas Triangle Park. The existing roadway is a narrow, rural roadway. The drainage facilities are open ditch and insufficient for conveying the increased runoff anticipated with new development and the pavement section needs to be upgraded to support the expected heavy haul traffic as a result of planned developments in the area. As a result, the existing roadway is not able to support and serve new development within the park or the area without the improvements planned with this project.

This project is listed in the City of Bryan's Fiscal Year 2024 Capital Improvement Program (\$3,500,000.00) and will reconstruct and widen the roadway to a width of 38' with a continuous center turn lane. This upgraded roadway section will allow industrial/commercial developments to utilize an upgraded roadway for transporting goods and services. The other half of the funding to construct this roadway is anticipated to come from Brazos County.

The City received an Economic Development Administration (EDA) grant to be used to fund a portion of the construction. The design must account for all additional requirements for federally funded projects, including but not limited to: procurement requirements, contracting requirements/provisions, bonding requirements, and environmental impact assessments including full compliance with NEPA. These federal funds are expected to be managed by the U.S. Economic Development Administration, a bureau of the U.S. Department of Commerce. To maintain compliance with the EDA grant requirements through construction, a separate \$39,000 contract with a grant administration firm, MarksNelson, will be executed separately under the City Manager's spending authority.

The scope of work for this contract includes providing design (including survey, environmental, and geotechnical investigation, as needed); and bidding and construction phase services associated with the widening of Mumford Road for approximately 6,400 linear feet beginning at the intersection of FM 2818 (Harvey Mitchell Parkway) and extending in a westerly direction and ending approximately 460 linear feet from Carrier Lane. Drainage improvements include curb inlets, storm sewer, and a 26-foot wide by 60-foot (approximately) span bridge. Street lighting is proposed to be spaced at 150 feet. The 38-foot wide improved roadway will reclassify to a minor collector/commercial street. The roadway will be striped with two 12-foot travel lanes and a 13-foot wide continuous center turn lane.

The preliminary cost estimate for the Mumford Road Widening Project is \$6,893,475. The fee provided by Goodwin Lasiter Strong for their typical scope of work is \$506,500.00 or 7.35% of the engineer's opinion of construction cost estimate. The scope of the project includes an estimated 70-foot long span bridge that will require additional structural design above the normal requirements of typical roadway projects for which the 7.5% metric was established. Additionally, this project includes the need for stream modeling and preparation of a LOMR (Letter of Map Revision) to FEMA (Federal Emergency Management Agency) and NEPA (National Environmental Policy Act) environmental work required due to the EDA Grant. Including these atypical services, the total contract with Goodwin Lasiter Strong will be \$596,200 or 8.6% of the engineer's opinion of construction cost estimate for this project. Staff believes the fees proposed for this work are justified based on the additional scope of services discussed above. This design will be ready to bid in late 2024.

**Staff Analysis and Recommendation:**

Staff recommends awarding the Engineering Design Contract for the design phase of the Mumford Road Widening Phase I Project, City Project Number 332-D3-2329, to Goodwin Lasiter Strong for the not-to-exceed amount of \$596,200.00.

**Options:**

1. Award the Engineering Design Contract to Goodwin Lasiter Strong as recommended.
2. Do not award an Engineering Design Contract and provide direction to staff.

**Attachments:**

1. Design Services Contract (Scope of Work, Fee Summary, Schedule)

[Contract for RFQ#24-013 Mumford Road Widening Phase 1.pdf \(946 KB\)](#)