

Agenda Item Details

Meeting	Apr 10, 2018 - Bryan City Council Second Regular Meeting
Category	5. 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	A. Engineering Services Contract for the Still Creek Culvert Replacements Project, City Project Number 425-D1-1805, to Mitchell and Morgan, L.L.P., in an amount not to exceed \$179,665.00
Type	Action (Statutory)
Preferred Date	Apr 10, 2018
Absolute Date	Apr 10, 2018
Fiscal Impact	Yes
Dollar Amount	179,665.00
Budgeted	Yes
Budget Source	Drainage Utility Fund - \$179,665.00
Goals	<ul style="list-style-type: none"> Quality of Life Public Safety Infrastructure

Summary:

This project will provide hydrologic and hydraulic modeling of the conditions at four (4) separate locations: the Still Creek crossings at Wilkes Street and Missouri Avenue, and the West Fork Still Creek crossings at Woodville Road and Southside Drive. The culverts will be sized to pass at least the 25 year storm event and the effects of the 10, 25, 50, 100, and 500 year flood events will be modeled and submitted to FEMA. With this contract the consultant will analyze whether it is possible to pass the 100 year storm thru some or all of these culverts with or without detention mitigation. The proposed modeling and analysis will determine the effectiveness of providing detention at several locations, in addition to these culvert replacements, to alleviate flooding conditions in the area. The modeling will be used to develop the recommended detention, if feasible, and culvert sizes for preparation of the construction documents. The consultant will model the downstream effects until the modeling shows no impacts from the proposed improvements. Due to the expected change in flood plain determination, a Letter of Map Revision (LOMR) will be prepared and submitted to FEMA for inclusion in the flood plain insurance maps.

There are several repetitive loss properties within the project area that could be impacted from improvements to the culvert crossings included in this project. A previous area wide study by Freese & Nichols recommended culvert replacements at the crossing included in this project. The existing culverts are insufficient to handle the flows. The culvert replacements are items the City of Bryan can do to improve the drainage conditions in this part of Bryan. There are additional drainage improvements needed in this area of Bryan with many located on private property where easements do not exist.

To secure design services for this project the City of Bryan sent Request for Qualifications (RFQ) to three (3) firms with local offices and experience in work similar to this project. City staff received Statements of Qualifications (SOQ) from all firms, and evaluated those firms in five (5) areas: a) Competence and Qualifications of leadership and staff; b) workload, capacity and meeting schedule dates; c) the specific approach for this project; d) knowledge of City of Bryan codes, requirements, design criteria, and local site conditions; and, e) Prior experience on existing projects proposed for continuation or modification. After SOQ evaluations were completed, the engineering firm of Mitchell and Morgan, LLP was identified as the most qualified firm in which to enter into negotiations for a design contract. Negotiations were conducted and agreement reached with regard to scope and cost, and a design contract was drafted for City Council consideration (Attachment A).

The design services are for survey, environmental, and professional engineering services. Engineering services include drainage modeling and analysis; LOMR creation and submittal to FEMA; Plans, Specifications and Estimates (PS&E); and construction phase services. The construction cost estimate for the project improvements is \$1,114,113.00. The negotiated cost of professional services

for this contract is \$179,665.00, which is 16.1% of the construction cost estimate and includes basic, additional, and LOMR services fees; and the direct administrative cost to FEMA for the LOMR filing. The negotiated cost of the basic engineering services fees is \$102,085, which is 9.2% of the construction cost estimate. The total estimated cost (design and construction) for this project is \$1,293,778, which is within the approved CIP budget for Design and Construction Phase Services of \$1,428,000.00, as listed as an FY2018 Project for design and construction in the CIP.

Staff Analysis and Recommendation:

Staff recommends awarding the Engineering Services Contract for the Still Creek Culvert Replacements Project; City Project Number 425-D1-1805 to Mitchell and Morgan, LLP, for the not-to-exceed amount of \$179,665.00.

Options:

1. Award the Engineering Services Contract
2. Do not award the Engineering Services Contract and provide staff direction.

Attachments:

1. Engineering Services Contract
2. Site Map for Improvements.

Attach A - Still Creek Culverts Eng Svcs Contract.pdf (1,202 KB)

Attach B - Still Creek Location Map.pdf (10,854 KB)