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ACTION FORM
BRYAN CITY COUNCIL

Meeting Date (?) 11/24/2015

Subject Matter* (?) South College Avenue Phase 1 Design
This must match rolling agenda entry

Department of Origin* ENGINEERING DEVELOPMENT

Submitted By* W. Paul Kaspar

Type of Meeting* ○ BCD ○ Special ◉ Regular

Classification* ○ Public Hearing ○ Consent ◉ Statutory ○ Regular

Ordinance* ◉ None ○ First Read ○ Second Read ○ First & Only Read

Strategic Initiative* ☑ Public Safety ☑ Economic Development ☑ Quality of Life ☐ Service ☑ Infrastructure

Agenda Item Description* Engineering Design Contract for Road Reconstruction of South College Avenue (from Villa Maria Road to Sulphur Springs Road) City Project Number 332-411-425-611-D3-1514, and Construct Sidewalks along South College Avenue (from Villa Maria Road to Inlow Boulevard) City Project Number 350-D8-1515 to Brinkley & Barfield, Inc., for the not-to-exceed amount of $689,961.25.

Summary Statement* South College Avenue from University Drive to Sulphur Springs Drive is Texas SPUR 308, while the section between Sulphur Springs to downtown Bryan is a City of Bryan roadway. South College is listed as a Minor Arterial on the Thoroughfare (TFARE) Plan and provides an alternative north and south route in lieu of Texas Avenue or Finfeather Road. It also provides direct access from Texas A&M University to downtown Bryan. The roadway is much degraded in both condition and appearance. Additionally, pedestrian and cycle travel ways are non-existent, undersized, or degraded. This project is currently included in the adopted 5 Year CIP program and is scheduled to begin design in 2016 and construction in 2018. Additionally, the sidewalks, cycling, and shared use improvements were identified for TXDOT funding under the Transportation Alternatives Program (TAP).

One project will reconstruct South College Avenue from Sulphur Springs Road to Villa Maria Road (Attachment B). Approximately 1,100 LF of roadway will be reconstructed with a 4-lane concrete roadway with turn lanes and raised medians with brick pavers or decorative concrete. The turn lanes will be at Villa Maria Road and Sulfur Springs Road, and an evaluation of cross streets needs will be performed. The project scope includes full-depth reconstruction with curb, gutter, drainage, and driveway modifications, as required and as discussed and coordinated with property owners. The scope also includes the replacement, realignment, and installation of water and sewer lines along the roadway, as required. Finally, a new traffic signal system will be installed at the Sulphur Springs Road intersection and pedestrian pole enhancements at the North Avemue and Old College Road intersections with South College Avenue in preparation for a future signal pole replacement.

The second project (Attachment C) includes the construction of sidewalks, shared use pathways, bicycle routes, and signage along South College Road from Villa Maria Road to Inlow Boulevard (Hensel Park). This project overlaps the street reconstruction project previously discussed, but this portion of the project is covered by TAP funding and therefore is being identified as a separate project with a unique project code. This project includes installation of a 12-foot wide shared use path along the east side of South College Avenue from the City limits at Hensel Park to Brookside Drive, and 6-foot wide sidewalks will be installed along both sides of South College Avenue from Brookside Drive to Villa Maria Road. A short section of 12-foot wide shared use path also will be installed on South College Avenue between Ehlinger Drive and Sulphur Springs Road to facilitate a bike route connection to Wellborn Road via Ehlinger Drive and Tee Street. This section will be part of a bike route that can take cyclist from Wellborn Road over to Cavitt Avenue. Finally, a bicycle route will be delineated and signage installed along Cavitt Avenue from Brookside Drive to Villa Maria Road.

To secure design services for this project the City of Bryan sent Request for Qualifications (RFQ) to four (4) firms with local offices and experience in work similar to this project. The City received Statements of Qualifications (SOQ) from three (3) firms (one firm declined to respond), and evaluated those three (3) 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 an existing project that is proposed for continuation or modification. After SOQ evaluations were completed, the engineering firm of Brinkley & Barfield, Inc. 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 construction cost estimate for the road reconstruction and utility replacement project is $2,676,380, and the sidewalks and bicycle improvements project is estimated at $2,674,434.00. The total estimated cost for both projects is $5,350,814. The negotiated cost of professional services for this contract is $689,961.25 which is 12.9% of the estimated construction cost, and includes engineering design services of $463,500 (8.7%) and other professional services $226,461.25 (4.2%). These percentages are below target parameters of 15% for all professional services and 10% for engineering design services; therefore staff believes the negotiated contract amount is fair and reasonable.

The project is scheduled to bid in September 2016 with project completion planned for March 2018. There is a proposed reimbursement resolution for City Council consideration at the same time as this proposed action that will allow the design effort to begin in calendar year 2015 and allow the City to meet milestones for obligation of the TAP Grant funding as well as meet the aforementioned schedule milestones. There will be a future Council Action Item for the Advanced Funding Agreement for the construction cost matching funds for the TAP Grant with TXDOT once that agreement is drafted by TXDOT. Under the grant program, the City of Bryan provides the design at the City's cost.

This project is currently in the adopted 5 Year CIP Program for FY 2018 bond funding. The budgeted amount for the project is $4,950,000. However, the City of Bryan was recently identified as the recipient of a TAP Grant of $1,872,104 to be applied toward the construction of the sidewalks and other pedestrian and cyclist improvements. The City also will receive funding from the Brazos Transit District in the amount of $350,000 to be applied towards the project to offset cost to the City of Bryan.

Budget summary is as shown below:

Construct Sidewalks South College Avenue (Villa Maria Road to Inlow Boulevard)
Estimated Construction Cost = $2,674,434
Professional Services Contract Cost = $389,090
Brazos Transit District (Credit) = - $350,000
TAP Grant (Credit) = - $1,872,104 (Construction cost from Grant)
TXDOT Admin Cost = $120,350
Sub Total = $961,770 (City of Bryan cost)

Road Reconstruction South College Avenue (Villa Maria Road to Sulphur Springs Road)
Estimated Construction Cost = $ 2,676,380
Professional Services Contract Cost= $300,871.25
Sub Total = $2,977,251.25

Total Estimated Project Cost = $961,770 + $2,977,251.25 = $3,939,021.25

Not specified above, but a possible additional cost for the project includes the need to require additional rights-of-way (ROW) along South College Avenue to allow for installation of sidewalks, pedestrian, cyclist, and traffic improvements estimated at a not to exceed amount of $150,000. The amount, if any, of required ROW would be determined during the design phase of this project.

Total Estimated Project Cost is well below the original budget estimate of $4,950,000 and includes utility improvements.

Staff Analysis & Recommendation*

Staff recommends awarding the Engineering Design Contract for Road Reconstruction South College Avenue (from Villa Maria Road to Sulphur Springs Road) City Project Number 332-411-425-611-D3-1514, and Construct Sidewalks along South College Avenue (from Villa Maria Road to Inlow Boulevard) City Project Number 350-D8-1515 to Brinkley & Barfield, Inc., for the not-to-exceed amount of $689,961.25. This project will significantly improve the efficiency and safety of this roadway for both vehicular and pedestrian traffic in the area and improve the condition and capacities of underground utilities. Additionally, the cost of the project to the City of Bryan is greatly offset by the TAP funding received for the proposed pedestrian and cycling improvements.

Options*

(In Suggested Order of Staff Preference)

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

Funding Source*

General Fund (Reimbursement Resolution) $689,961.25 (reimbursed by future 2018 bonds)

Attachments

Attachment A, B & C for S. College Avenue Design Contract.pdf 5.83MB

Please detail attachments and note attachments available for viewing in City Secretary's Office:

A. Engineering Design Contract, B. Site Map for Road Reconstruction Project, C. Site Map for Construct Sidewalks Project.

Dept. Head Signature

JAYSON E. BARFKNECHT 11/09/15

Deputy City Manager Signature

Hugh R. Walker

City Manager Signature

City Attorney Signature

Janis K. Hampton