

authorizing the City Manager to execute an agreement of the same.

Background:

The Streambank Stabilization Projects will repair the following three areas: SE 2nd Street near Independence Ave, SW 3rd Street approximately 800 feet east of Winterpark Drive, and SW 3rd Street where Cedar Creek passes underneath. The projects at SW 3rd St near Winterpark Drive and SE 2nd Street near Independence Ave are two of four projects that were designed by Allgeier Martin and Associates Inc. pursuant to Bill 18-27. The project at SW 3rd Street where Cedar Creek crosses was added to Allgeier Martin and Associates Inc.'s scope pursuant to the contract modification in Bill 19-47.

The project at SE 2nd Street is eligible for matching grant funds from Missouri Department of Natural Resources. The grant will reimburse 50% of the construction costs up \$192,910.50. The application for these funds was authorized in Resolution 19-14. MDNR has reviewed the bids and concurs with the recommendation to award the work to Tasco.

Public Works issued a bid number 54832272-2C for the project on February 24, 2020. Bids were advertised and received electronically using the Quest Construction Data Network (CDN) online bidding system. Seven (7) prospective bidders downloaded plans, and six (6) responsive bids were received by the time of the bid opening on March 26, 2020

SE 2nd STREET

The stream which runs along the north side of SE 2nd Street, approximately 250 feet west of SE Independence Avenue is meandering towards 2nd Street, threatening the sidewalk and roadway. Streambank stabilization efforts are needed to protect 2nd street and the adjacent sidewalk. Construction will include the installation of a concrete block wall.

SW 3rd STREET near Winterpark Drive

This project will stabilize the slope on the north side of 3rd Street that is failing and endangering existing infrastructure. A global slope failure at this location would close 3rd Street between SW Winterpark Blvd. and SW Forestpark Blvd. and the resulting closure of 3rd Street would be for an extended period of time. Such a closure would also require extensive and costly emergency repair work to re-open 3rd Street. A box culvert is located beneath the roadway at this location, the culvert is being undermined and stormwater is eroding the base of the slope. Work will include constructing a concrete stilling basin at the end of the culvert with a thickened edge to support the failing slope, and the addition of an articulating concrete block lined swale to convey stormwater from SW 3rd Street down the slope.

SW 3rd STREET at Cedar Creek

During routine bridge inspections, it was discovered that the area near the north side of the culvert which passes Cedar Creek under SW 3rd Street is eroding and is threatening the integrity of SW 3rd Street. Work at this site will include the installation of rock revetment and energy dissipation around the downstream end of the culvert which passes Cedar Creek under SW 3rd Street.

Impact/Analysis:

The streambank repairs are urgent to mitigate the potential risk of closing public roadways due to on-going bank erosion. Constructing these projects now will reduce the long-term risk and should avoid an emergency situation based on normal storm events and stream flows.

Timeline:

Start: June 2020

Finish: November 2020

Dena Mezger, Director of Public Works

Staff recommends approval of an Ordinance awarding the bid for Project No. 548 for the Streambank Stabilization Projects: SE 2nd Street; SW 3rd Street and Cedar Creek to Tasco, LLC, in the amount of \$672,387.00, and authorizing the City Manager to execute an agreement of the same.