



Legislation Text

File #: 2017-5018, **Version:** 1

Consider a resolution authorizing the Mayor to execute a Contract for Engineering Services with Cobb, Fendley & Associates, Inc. for the Greater Round Rock West Drainage Assessment Work Authorization Project.

City staff recommends contracting with Cobb, Fendley & Associates for a drainage assessment of the Greater Round Rock West Neighborhood Area. This area has a history of local drainage issues and flooding as identified by residents, property owners, and City staff. The local flooding in this area is due to multiple factors that are not related to creek flooding. Lake Creek flooding will be addressed with the proposed improvements for Dam 101.

Local flooding is the term given to areas where flooding occurs due to problems with neighborhood drainage systems or the lack thereof. Creek flooding is commonly associated with the 100-year flood plain area. Local drainage systems often include pipes, curb inlets, manholes, roadside ditches, etc. These systems are intended to convey stormwater runoff to the creeks. Some of these neighborhoods were built prior to or under older engineering criteria.

Flooding occurs, when runoff overloads the drainage infrastructure and flows into the streets and low-lying areas inundating yards, homes and businesses. These issues can create traffic hazards and can cause property damage. Localized flooding can result from even minor storms.

The Engineering Firm will identify and quantify local flooding and determine the level of service provided by the existing drainage infrastructure. Inundation areas will be mapped and potential flooded habitable structures will be identified.

They will work alongside City staff to develop practicable solutions to address each issue. City staff would like to execute a Work Authorization Contract with the Engineering Firm. This contract will be utilized to create Work Authorization Contracts for each project that is necessary. The amount of each Work Authorization will be subtracted from the contract amount.

Staff is optimistic that many of these drainage issues can be resolved through creative solutions and value engineering.

Cost: \$75,000.00

Source of Funds: 2014 Drainage Revenue Bonds