

Mayor and Council Communication

DATE: 10/31/23

M&C FILE NUMBER: M&C 23-0943

LOG NAME: 20EROSION RISK MAPPING

SUBJECT

(ALL) Authorize Execution of a Professional Services Agreement with Woolpert Inc., in the Amount of \$553,230.00 for Erosion Risk Mapping with an Option to Renew for an Additional Year

RECOMMENDATION:

It is recommended that the City Council authorize execution of a Professional Services Agreement with Woolpert Inc., in the amount of \$553,230.00 for Erosion Risk Mapping with an option to renew for an additional year.

DISCUSSION:

On November 12th, 2019, City Council approved Mayor and Council Communication (M&C) 19-0300 to develop a scientifically valid methodology to identify areas of the City along creeks that are experiencing or likely to experience erosion from stormwater runoff. Following completion of that effort, staff intends to apply the methodology to map erosion risk by setbacks for creeks citywide. Erosion setbacks will be determined by the expected erosion of creek banks over the next 30 to 50 years. The developed setback methodology will use high resolution elevation points collected by Laser Detection and Ranging (LiDAR) systems by creek cross-sections to determine creek bank features and appropriate setbacks based on creek bank erosion rates. The results from this project will guide the technical criteria for a Stormwater Management Program Erosion Policy that was identified as Level 1 priority by the Stormwater Management Program Master Plan which was adopted by City Council in 2018. The setback information will be used to help warn and communicate erosion risk to private property owners and developers as well as inform potential improvement and maintenance needs. This policy and future stakeholder engagement may be used to update city development ordinances and regulations and develop potential erosion setback criteria to protect property owners and development from current and future projected erosion risk along creeks.

A Request for Qualifications (RFQ) for a variety of drainage engineering services was published in the *Fort Worth Star-Telegram* on July 29, 2021 and on August 5, 2021. Among the 17 firms that responded to the High Precision Survey and Geomorphic Services areas, Woolpert Inc. was selected for their engineering experience and qualifications based upon the advertised scoring criteria. This Indefinite Delivery Indefinite Quantity (ID/IQ) not-to-exceed contract will be performed by task orders for an initial one (1) year term, with an option to renew for an additional year. Staff considers the fee to be fair and reasonable for the contemplated scope of services.

Funding is budgeted in the TPW Dept Highway & Streets Department's Stormwater Capital Projects Fund for the purpose of funding the Erosion Risk Mapping project, as appropriated.

M/WBE Office-Woolpert Inc. is in compliance with the City's Business Equity Ordinance by committing to 5% MWBE participation on this project. The City's MWBE goal on this project is 5%.

FISCAL INFORMATION / CERTIFICATION:

The Director of Finance certifies that funds are available in the current capital budgets, as previously appropriated, in the Stormwater Capital Projects Fund for the Erosion Risk Mapping project to support the approval of the recommendation and execution of the agreement. Prior to any expenditure being incurred, the Transportation & Public Works Department has the responsibility to validate the availability of funds.

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