City of Fort Worth, Texas

Mayor and Council Communication

DATE: 06/11/24 **M&C FILE NUMBER:** M&C 24-0488

LOG NAME: 20SWM MCCART BERRY ENGINEERING SERVICES

SUBJECT

(CD 9) Authorize Execution of an Engineering Agreement with Kimley-Horn and Associates, Inc. in the Amount of $500,000.00 for Conceptual Planning, Project Development and Design Services for the McCart/Berry Flood Mitigation Project

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RECOMMENDATION:

It is recommended that the City Council authorize execution of an engineering agreement with Kimley-Horn and Associates, Inc. in the amount of $500,000.00 for conceptual planning, project development and design services for the McCart/Berry Flood Mitigation project (City Project No. 105198).

DISCUSSION:

This Mayor and Council Communication (M&C) is to authorize the execution of a task order engineering contract with Kimley Horn and Associates, Inc. (KHA) to perform conceptual planning, project development and design services for the McCart/Berry Flood Mitigation project.

The McCart Avenue and Berry Street area is a critical and high-priority location for flood mitigation. The storm drain system is undersized, with substantial stormwater runoff, frequently resulting in significant roadway, property and structure flooding during storm events. The flooding begins near the intersection of Cleburne Road and Devitt Street, then extends northwest to the intersection of McCart Avenue and Berry Street, then further north through the eastern part of the Texas Christian University (TCU) campus, and ultimately to Forest Park. There are many documented flooding concerns, including at least six high-water rescues. Additionally, there are recorded incidents of flooded structures in the area. In 2018, the City conducted an engineering study to understand the flooding and identify potential improvement alternatives. This study identified a potential relief storm drain line that would provide the area with a level of protection in a 5-year storm event. The City standard is for projects to be designed for a 100-year, or 1% chance in any given year, storm event level of service. A 5-year level of service represents a 20% chance of storm event in any given year. A 5-year storm occurs more frequently than a 100-year storm. A 100-year level of service option was evaluated in the study but proved to be cost–prohibitive. A 5-year level of service will still have significant benefits to the community and is estimated to reduce the flood depth at Berry Street by 3.4 feet and mitigate flood risk to approximately 50 structures in a 100-year storm. It is estimated that during a 5-year storm, the flood depth at Berry Street would be reduced by 2.8 feet and mitigate flooding to approximately 40 structures.

With this contract, KHA will further evaluate the 5-year relief line, investigate potential partnership options with TCU, and develop a feasible overall plan for the area. The plan will identify phases that, when constructed, would result in reductions in flood depths and mitigate flood risk. The contract will be a task-order contract; task orders will be issued as the work advances. The cost of each task order will be based on an agreed-upon scope and the cost for the hours worked will be at agreed-upon hourly rates. Staff considers the proposed hourly rates to be fair and reasonable for the size and complexity of the contemplated project. The scope of work will include conceptual planning, project development, definition of the feasible project phases, preparation of an overall implementation plan and schedule, identification of risks and mitigation strategies for each phase, preparation of engineering plans for construction, performance of construction phase services, and assistance to the City in identification and preparation of applications for grant funding. This initial agreement will be amended as additional funds become available and the project scope becomes more defined. The contract duration will continue until work is complete or all funds are utilized.

In July 2023, the Transportation and Public Works Department (TPW), Capital Delivery Division, published a Request for Qualifications (RFQ) for the McCart Berry Flood Mitigation Engineering services. Nine consultants responded to the RFQ with Statements of Qualifications (SOQ). An evaluation team of City staff subject matter experts from the Capital Delivery and Stormwater Divisions of TPW scored the SOQs based on company experience, project manager experience, prior projects, and project understanding. Respondents to the RFQ were scored, and based on this scoring, KHA was selected as the most qualified consultant to perform conceptual planning, project development, design services, and construction phase services for this project.

The 2023 Stormwater Revenue Bond will fund this engineering agreement. The Revenue Bond sale was approved by Mayor and Council on May 11, 2023. Funding is budgeted in the Drainage Rev Bonds Series 2023 Fund for the TPW Dept Highway & Streets Department for the purpose of funding the McCart Berry Flood Miti Prgm project.

Business Equity Office: Kimley Horn Associates, Inc. is in compliance with the City's Business Equity Ordinance by committing to 13 percent Business Equity participation on this project. The City's Business Equity goal on this project is 13 percent.

This project is located in COUNCIL DISTRICT 9.

FISCAL INFORMATION / CERTIFICATION:

The Director of Finance certifies that funds are available in the current capital budget, as previously appropriated, in the Drainage Rev Bonds Series 2023 Fund for the McCart Berry Flood Miti Prgm project to support the approval of the above 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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