



AGENDA MEMORANDUM

Action Item for the City Council Meeting of January 26, 2021

DATE: January 26, 2021

TO: Peter Zaroni, City Manager

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<p style="text-align: center;"><u>Professional Services Contract Award</u> La Volla Creek Drainage Improvements</p>
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CAPTION:

Motion awarding a professional services contract to Lockwood, Andrews & Newman, Inc., Corpus Christi, Texas, for the La Volla Creek Drainage Improvements, located in Council District 3, in an amount of \$2,376,995.00, with FY 2021 funding available from the Stormwater Capital Improvement Program Fund.

SUMMARY:

This motion awards a professional services contract for the engineering design services supporting the La Volla Creek Drainage Improvements program. This project will include design, bid and construction-phase services for a stormwater detention pond and new box culverts crossing North Padre Island Drive at the Airport Tributary.

BACKGROUND AND FINDINGS:

In recent years, the La Volla Creek watershed has experienced frequent flooding during heavy rainfall events. Flooding occurred at La Volla Creek during May 2015, May 2016, June 2018, and September 2018. The most acutely affected area is the Las Colonias neighborhood.

In 2018, the Federal Emergency Management Agency (FEMA) finalized new Flood Insurance Rate Maps (FIRM's). Parts of the La Molina, Los Encinos and Las Colonias neighborhoods were shown to be significantly more impacted by the 100-year floodplain. The updated FIRM will trigger new flood insurance requirements creating hardships for those communities.

In 2018, staff sought federal grants for a program to mitigate the FIRM map impacts as well as alleviating the flood risk in some historically flood-prone neighborhoods. In January 2019, Council passed a resolution authorizing the submission of grant applications to the FEMA Hazard Mitigation Grant Program (HMGP) and to the Housing and Urban Development (HUD) Community

Development Block Grant - Disaster Recovery (CDGB-DR) program to support the La Volla Creek project. The FEMA grants are administered through the Texas Department of Emergency Management (TDEM) and the CDBG-DR grants are administered through the Texas General Land Office (GLO). The City was awarded \$7,234,755 from the CDBG-DR grant for design, land acquisition, and construction. The City was also awarded \$163,244 from the HMGP grant for a Phase 1 environmental assessment and for design. TDEM will award the remaining grant funds in the amount of \$4,355,256 prior to construction.

The La Volla Creek Drainage Improvements program will consist of a 130-acre stormwater detention pond and new box culverts under North Padre Island Drive at the Airport Tributary #1. These two elements are interrelated and must both be executed in tandem. Conceptual costs for the construction of these two elements are approximately \$21 million.

This contract provides for design, bid and construction-phase services to support implementation of the La Volla Creek Drainage Improvements Program.

Following is a more detailed description of the major scope elements:

1. 130-Acre Detention Pond.

The scope of work for this project will include Hydrologic & Hydraulic Analysis (H&H) to document the impacts of the proposed project and verify that there will be no impact to downstream structures. This contract will entail providing technical and administrative services including environmental services, engineering design, permitting, engineering construction phase services, and other tasks related to support the program. The project design and construction shall comply with CDBG-DR grant requirements and policies. The detention pond must be designed and constructed within a three-year time frame.

2. Drainage Improvements at Airport Tributary #1.

The scope of work for this project is to design drainage improvements at the North Padre Island Drive and Airport Tributary #1 in compliance with the approved HMGP and TxDOT requirements. This contract will entail providing technical and administrative services. The project scope includes project design, coordination, and approval by TxDOT, FEMA and local agencies. Tasks include preparation of construction drawings, H&H study, CLOMR/LOMR preparation, engineering reports per FEMA requirements, environmental permitting, State Historic Preservation Office consultation package and tracking, cost estimates, project schedules, and any other tasks related to the project. Phase II of the project includes submittals of the construction documents to FEMA prior to construction for evaluation, engineering construction phase services, preparing reports per public agencies and any other tasks related to the project.

PROJECT TIMELINE:

The La Volla Creek Drainage Improvements project must be completed within a two-year time frame.

2021		2022				2022-2023	
January - December		J	F	M	A	May - January	
Design		Bid				Construction	

Project schedule reflects City Council award for design in January 2021 with anticipated project completion in January 2023.

COMPETITIVE SOLICITATION PROCESS:

Lockwood, Andrews & Newman, Inc., was selected for the La Volla Creek Drainage Improvements project in May 2020 under RFQ No. 3073. Nine firms submitted under this RFQ. Lockwood, Andrews & Newman, Inc., was the highest ranked firm.

Firms were ranked based on three factors: 1) experience of the firm, 2) experience of the key personnel with specific experience similar drainage projects, and 3) understanding of project scope.

Lockwood, Andrews & Newman, Inc., has provided professional services for several City projects. Some of the projects are Major Ditch Improvements, Navigation and Kostoryz Value Engineering Studies, Stormwater Drainage Channel Improvements, and Greenwood WWTP System Improvements.

ALTERNATIVES:

Not awarding the contract for professional services to Lockwood, Andrews & Newman, Inc., will delay necessary improvements to the La Volla Creek. The area will continue to be impacted with flooding until another solution is identified.

FISCAL IMPACT:

The fiscal impact for FY 2021 is an amount of \$2,376,995.00 with funding available from the Stormwater Capital Improvement Program Fund.

FUNDING DETAIL:

Fund: Storm Water (Fund 4532)
Mission Elem: Storm Water System (ME 043)
Project No.: La Volla Creek (Project# E10200)
Account: Outside Consultants (Account #550950)
Activity: E10200-A-4532-EXP
Amount: \$2,376,995.00

RECOMMENDATION:

Staff recommends approval of the professional services amendment contract with Lockwood, Andrews & Newman, Inc., in the amount of \$2,376,995.00 for the La Volla Creek Drainage Improvements project.

LIST OF SUPPORTING DOCUMENTS:

Location & Vicinity Maps
Contract