



CITY COUNCIL CONSIDERATION ITEM

CITY OF FAIR OAKS RANCH, TEXAS

September 7, 2023

AGENDA TOPIC: Consideration and possible action approving a resolution authorizing the execution of a work authorization with Kimley-Horn and Associates, Inc. for engineering services for the Wastewater Treatment Plant (WWTP) Phase 1 Expansion Project

DATE: September 7, 2023

DEPARTMENT: Public Works

PRESENTED BY: Grant Watanabe, P.E., Director of Public Works & Engineering Services

PURPOSE:

Following completion of the Wastewater Treatment Plant (WWTP) feasibility study, and approval of the multi-phase expansion alternative in April 2023, staff selected an on-call consultant and negotiated fees to start design of the WWTP Phase 1 Expansion project. This consideration item is for award of a work authorization to Kimley-Horn and Associates, Inc.

INTRODUCTION/BACKGROUND:

The City requires engineering services for multiple improvements identified in the recent WWTP Feasibility Study. Collectively referred to as the WWTP Phase 1 Expansion Project, these improvements include: (1) Effluent Pump Station and conveyance system upgrades, (2) Bottom of the Hill Lift Station upgrades, and (3) odor control improvements at the headworks. The FY 2022-23 budget includes \$929,711.00 for this project.

Among the five on-call consultants in the Water, Wastewater & Reuse CIP category, Kimley-Horn and Associates, Inc. was identified as the highest and best qualified for the WWTP Phase 1 Expansion project. Since the City is moving in a different direction from the Water, Wastewater & Reuse Master Plan and will not be constructing a new WWTP as originally planned, City staff sought a consultant that was not involved with the previous Master Plan development efforts. Kimley-Horn has worked with the City on other high-visibility projects such as the Elevated Storage Tank and understands the importance of public outreach and community involvement. Since many private properties could potentially be impacted by the effluent conveyance system upgrade (between WWTP and Black Jack/Live Oak effluent storage ponds), public outreach will be an essential component of the project.

In August 2023, City staff and the General Engineering Consultant (GEC) completed scope and fee negotiations for the first half of engineering services (30% Design) in the amount of \$183,908.00. This includes hydraulic analysis to determine effluent conveyance system sizing, pump sizing, wet well and pump vault capacity, evaluation of up to three potential options for rag removal at the Bottom of the Hill Lift Station, and evaluation of up to three potential options for odor control at the headworks. The cost for basic services (project management and 30% design phase) is \$135,131.00, and the cost for supplementary services (environmental compliance review, archeological survey, additional general engineering, public outreach) is \$48,777.00.

Following completion of negotiations, the GEC provided a recommendation letter to accept the consultant's revised proposal as fair and reasonable **(Exhibit 1)**. The draft work authorization and a copy of the consultant's proposal is also attached **(Exhibit 2 and 2A)**.

Upon completion of this work authorization, staff will negotiate a follow-on proposal for 100% Design, Bid and Construction Phase Services which will be brought back as part of a future consideration item. Bid advertisement is planned sometime in the fall of 2024.

POLICY ANALYSIS/BENEFIT(S) TO CITIZENS:

- Supports Priority 3.2 of the Strategic Action Plan to Enhance and Ensure Continuity of Reliable Wastewater Treatment in Accordance with CCN Obligations.
- Improves WWTP operations and system resiliency during high-flow events.
- Complies with procurement requirements for professional services.

LONGTERM FINANCIAL & BUDGETARY IMPACT:

The City budgeted \$929,711.00 for this project. This amount is adequate to cover the cost of this work authorization (30% Design) and future work authorization (100% Design, Bid and Construction Services).

LEGAL ANALYSIS:

The work authorization will be issued pursuant to the Standard Professional Services Agreement with Kimley-Horn and Associates, Inc., executed on February 24, 2022.

RECOMMENDATION/PROPOSED MOTION:

I move to approve the resolution authorizing the execution of a work authorization with Kimley-Horn and Associates, Inc. for engineering services (30% Design) in support of the WWTP Phase 1 Expansion Project for \$183,908.00.