

**TASK ORDER NO. 23  
TO CONTRACT FOR PROFESSIONAL SERVICES WITH  
DEWBERRY ENGINEERS INC.**

**MARK TWAIN WATER SYSTEM IMPROVEMENTS PROJECT  
CONSTRUCTION MANAGEMENT/INSPECTION/  
ENGINEERING SERVICES DURING CONSTRUCTION  
SCOPE OF SERVICES AND FEE ESTIMATE  
June 2025**

The existing water distribution system near Mark Twain School is undersized and includes several dead-end lines. Low water pressures occur at the higher elevations and maintenance of the dead-end lines is problematic. Because of a lack of a completely looped system, if a waterline fails, the number of water services interrupted is significantly higher than if water can be supplied from two directions. Under the Mark Twain Water System Improvements Project, dead-end lines will be eliminated on Tuolumne Avenue and Stanislaus Avenue with additional water made available through a new connection to existing waterlines in Mark Twain Road. Undersized 4-inch waterlines on Stanislaus Avenue and Oneida Street will be replaced and a new waterline extension constructed on Gold Cliff Road. Approximately 2000 ft of new waterlines will be constructed as part of the project. Residential services will be re-connected to the new waterlines.

The Project was bid March 11, 2025. The project was awarded to Njirich & Sons LLC for the 150 calendar day Project. Construction commenced on May 20, 2025, with construction completion scheduled for October 16, 2025. Submittal of record drawings to the City by Dewberry Engineering Inc. (Consultant) is estimated to occur 30 days after construction completion. The City of Angels has requested assistance from Consultant in construction oversight of the Project including construction management, inspection, and engineering services during construction. A scope of services and fee estimate for the desired assistance are summarized below.

**SCOPE OF SERVICES**

The scope of services is divided into the following tasks:

- Task 1 – Construction Oversight and Field Inspection
- Task 2 – Office Engineering
- Task 3 – Materials Testing

Each is detailed below.

**TASK 1 – CONSTRUCTION OVERSIGHT AND FIELD INSPECTION**

The first contract day of work is May 20, 2025. Final completion is anticipated within 150 calendar days. UNICO will provide parttime field inspection services during construction (400 hours of resident inspector during 50 working days budgeted). Specific activities are detailed below.

### **1.1 Field Inspection**

Construction Manager/Inspector (CM/I) will inspect constructed facilities at key milestones or prior to burial and observe all tests required to be performed by the Contractor as referenced in the Contract Documents. The CM/I will monitor the Contractor's performance from the perspective of quality, cost, and schedule and will enforce the requirements of applicable Contract Documents. Weekly inspection reports of the Contractor's construction activities will be completed and filed to be ultimately transmitted to the City at the end of the Project. Any special situations will be documented by photograph or video and unacceptable testing and/or defective work will be documented until it is repaired to the CM/I's satisfaction and quality of work in accordance with the Contract Documents.

Inspection reports will contain the following information:

- The quantity, classification, and summary of activity of each of the Contractor's employees working on-site
- Materials deliveries
- Discussions with the Contractor
- Quantity, type, and summary of Contractor's equipment on site, both working and idle
- Weather conditions
- Problems, issues addressed and changes

Any other information necessary to create a satisfactory record of the week's activities at the Project site in accordance with standard inspection practice will also be noted. No Saturday, Sunday, or overtime inspection work is anticipated or accounted for under this task.

### **1.2 Reporting**

The CM will prepare and submit a monthly invoice which will include a brief Project status report (PSR) which will include updates of Project progress; percent of work completed; percent of funds expended, including change orders; and any community relations issues.

### **1.3 Traffic Control**

During construction there may be multiple traffic control plans to handle a variety of construction activities. These plans will be prepared by the Contractor but reviewed and accepted by the CM prior to implementation. The CM team will monitor the traffic control plans in the field to verify proper implementation and monitor their effectiveness, recommending any changes as the need may arise.

### **1.4 Meetings**

Periodic tailgate meetings/progress meetings will be conducted between CM, Contractor, City, Engineer, and any appropriate agencies related to the Project. CM staff will meet with interested property owners during the periods of construction as needed and document any discussions for inclusion into the Project record. A total of 12 meetings are anticipated for budgeting purposes.

### **1.5 Submittals and Clarifications**

The CM team may receive submittals or requests for clarifications/RFI's and will submit the item requests to the Engineer.

### **1.6 Storm Water Pollution Prevention Plan (SWPPP) Monitoring**

While SWPPP compliance is the Contractor's responsibility, CM staff will observe the Contractor's work and verify activities are conducted in accordance with the approved SWPPP.

### **1.7 Closeout**

After the Project is substantially complete, a walkthrough will be scheduled with the CM team, Contractor, City, Engineer, and any other appropriate parties and a "punch list" will be prepared of incomplete or unsatisfactory items. The punch list will be submitted to the Contractor for completion. Once all work is satisfactorily complete, the Engineer will deliver a statement to the City indicating that to the best of their knowledge and belief, after diligent investigation, including satisfaction of its other obligations under the agreement, the Project has been completed in accordance with the Contract Documents and will recommend acceptance.

## **TASK 2 – OFFICE ENGINEERING**

The CM will forward to the Engineer contractor RFIs and shop drawings requiring response by the Engineer. Responses for up to 20 RFIs is budgeted. Responses for up to 10 contractor submittals or resubmittals to assure conformance with contract documents is budgeted. If change orders are necessary, the Engineer will develop the appropriate documentation. The Engineer will attend up to five site visits and five construction meetings. Upon construction completion, the Engineer will meet with CM to discuss contractor as-built mark-ups.

Consultant will prepare one set of record drawings and submit the PDF and CAD files to the City.

## **TASK 3 – MATERIALS TESTING**

Material testing subconsultant, Crawford & Associates, will be retained to perform field and laboratory testing of soils, backfill, asphalt, structural concrete, and other testing required by law or the Contract Documents. Results of tests will be reviewed by the Engineer and copies of the results will be forwarded to the City. The Engineer and CM will work with the Contractor to resolve any deficiencies. All test procedures will be filed in accordance with the Contract Documents.

## **FEE ESTIMATE**

The estimated fee to complete the tasks described above is \$104,000 summarized as follows:

Task 1 – Construction Oversight and Field Inspection	\$74,000
Task 2 – Office Engineering	\$15,000
Task 3 – Materials Testing	\$15,000

Dewberry Engineers Inc.



Dave Richard, P.E.  
Principal Engineer

Approved by:



Pam Caronongan  
City Administrator