



REPORT TO CITY COUNCIL

To: Honorable Mayor and Members of the City Council

From: Jason Simpson, City Manager

Prepared by: Shannon Buckley, Assistant City Manager

Date: March 12, 2024

Subject: Professional Services Agreement with Inland Foundation Engineering, Inc. for Geotechnical Investigation Services of the New City Library Project (CIP Project Z20003)

Recommendation

Approve and authorize the City Manager to execute a Professional Services Agreement with Inland Foundation Engineering, Inc. in the amount of \$18,000.00 for Geotechnical Investigation Services of the New City Library Project in such final form as approved by the City Attorney; and authorize the City Manager to approve change orders up to 10% of the agreement in the amount of \$1,800.00.

Background

Staff has engaged the services of Inland Foundation Engineering, Inc. to provide geotechnical investigation services on the new library building site. These services are needed to study and evaluate the nature, distribution, and engineering properties of the geologic strata underlying the site with respect to the proposed building development and to provide geotechnical recommendations as necessary for construction.

Discussion

These services are standard geotechnical engineering services for the site development of the project and will include the needed engineering construction documentation to effect the complete site development. Key tasks are included in the following:

Geologic Documentation Review – The review will document pertinent geologic literature in the construction files, including groundwater records, liquefaction, hazard maps, and earthquake fault maps. The review will also include historical aerial photographs and a site reconnaissance to document and map current surface conditions.

Subsurface Exploration – Four (4) geotechnical borings will be made at this site utilizing a truck-mounted hollow-stem auger drill rig to evaluate the underlying geologic conditions. Borings at the site will be drilled to target depths ranging from 15 to 50 feet below the ground surface, or to practical refusal (i.e., bedrock), or, whichever occurs first.

Laboratory Testing – Laboratory testing will include, but may not necessarily be limited to:

- Unit Weight
- Moisture Content
- Sieve Analysis
- R-value
- Expansion Index
- Plastic Index
- Direct Shear Strength
- Consolidation
- Corrosivity
- Maximum Density and Optimum Moisture Content

An engineering analysis and report will be prepared based on the subsurface exploration and laboratory testing, with the development of conclusions and engineering recommendations for the design and construction of the proposed library. These conclusions and recommendations will be presented in a formal report, which will also include field and laboratory test data.

Fiscal Impact

The new City Library project (CIP Project Z20003) is included in the Fiscal Year 23/24 – 27/28 Capital Improvement Plan (CIP) budget. And is funded by a Riverside County Library Grant.

Attachments

Attachment 1 - Agreement Inland Foundation Engineering
Exhibit A - Proposal Lake Elsinore Library