

City of St. Louis Treasurer's Office



Request for Proposals

City Block 177 Geotechnical Services

Proposals due no later than 3:00pm, August 23, 2022

PROJECT INFORMATION

The project consists of the construction of a parking structure at City Block 177, bounded by 10th and 11th streets, Convention Plaza, and Lucas Avenue, in downtown St. Louis, Missouri 63101.

The site is currently a surface parking lot that is in use.

The proposed development is a 10-story above grade parking structure, with one or two levels to include retail and or residential components. Preliminary design loads have been provided, typical column loads will be approximately 2500 kips, net uplift of approximately 500 kips, and seismic base shear is approximately 1800 kips.

SCOPE OF SERVICES

The proposal will be based on the scope of suggested boring locations shown on KPFF Drawing (Dated April 19, 2022)

- A. Drill nine borings at locations identified on the attached sketch. Each boring should be drilled to top-of-bedrock, estimated to be 40 and 60 feet below existing grade. Soil samples will be collected at 5 foot centers using standard penetration test (SPT) and Shelby tube sampling methods. Upon encountering bedrock, Consultant to advance five of nine locations an additional 15 feet into bedrock using NQ coring techniques. At a minimum, the proposal should be based on anticipating 495 feet of auger drilling and 75 lineal feet of rock coring.
- B. Upon completion of the drilling activities, the borings to be backfilled with cuttings. Consultant to cold patch existing paved areas where drilling occurs.
- C. Consultant to notify public utilities via the Missouri One-Call system (i.e. Digrite)
- D. An engineer or geologist from the Consultant shall accompany the drill rig and provide direction during the exploration, prepare logs of the material encountered, and transport samples to accredited laboratory for testing.
- E. Laboratory testing will include index tests such as moisture content, Atterberg limits, dry unit weight, and unconfined compression.
- F. Consultant to summarize results of the subsurface exploration in a report. The report shall include the following at a minimum;
 - A description of the subsurface conditions at the boring locations
 - Site excavation and placement of fill, including an evaluation of the suitability for reuse of the on-site soils
 - Deep foundation design recommendations including drilled pier and driven piles
 - Lpile parameters for lateral load analysis (Lpile analysis can be performed if needed)
 - Lateral earth pressures for below grade walls
 - Floor slab recommendations, including the effects of expansive soil, if encountered
 - Pavement subgrade considerations
 - Discuss seismic site class and liquefaction potential

Settlement analyses shall be based on the boring data and correlations with consolidation properties.

Seismic soil profile coefficients to be obtained using the general procedure outlined in the 2018 International Building Code.

ALTERNATE UTILITY LOCATING SERVICES

Consultant to provide utility surveying services to assist in locating underground private utilities in the vicinity of proposed boring locations. Interpreted locations of utilities shall be documented on field sketches and designated on site using spray paint and pin flags. Owner to provide and available utility drawings of the site to the selected Consultant.

1) Qualification Requirements and Proposal Format

The responses to the RFP shall include the following information:

1. A summary of the proposal;
2. The history and company profile of the Consultant(s);
3. A summary of recent (past three years) projects completed by the Consultant(s);
4. Three references for projects completed by the Consultant.

The following are the key criteria that will be used to evaluate the proposals:

Topic	Number of Points
Pricing	30
Schedule	25
References	10
Services	25
MBE/WBE participation	10
Total	100

2) Schedule

The following is a listing of key proposal and project milestones:

RFP Release	July 22, 2022
Vendors to Submit Questions	August 5, 2022
City Response to Questions	August 9, 2022
Proposals due	August 23, 2022
Selection Announced	August 26, 2022

3) Proposal Due Date and Location

RFP submittals are due no later than **3:00 PM on August 23, 2022** at the following location:

**Treasurer's Office, City of St. Louis
421 So. 10th Street (Cupples Garage)
St. Louis, MO 63102**

Late proposals may not be accepted and the envelope must be marked referencing the project: **Proposal for City Block 177 Geotechnical Services**. Proposers must supply three (3) hard copies of the proposal and one (1) electronic copy as a PDF file on a USB flash drive.

Public access to Proposals shall be governed by the relevant provisions of the Freedom of Information Act, State of Missouri Sunshine Law (RsMO 610.021), and regulations adopted pursuant thereto.

4) Department Contact / Requests for Clarification

Prospective responders may direct questions **in writing only** to:

Lenny Freeman

Parking Administrator

Email: FreemanL@stltreasurer.org

Fax: 314-622-4246

All questions are due no later than August 5, 2022. Questions will be answered in writing by August 9, 2022 and will be sent to all proposers and will be posted on our website at <https://www.stlouis-mo.gov/government/departments/treasurer/documents/rfp-city-block-177-geotechnical-services.cfm>. The department contact person is the only individual who can be contacted about the project by proposers before proposals are submitted. The department contact cannot vary the terms of the RFP.