

City of Santa Maria



REQUEST FOR PROPOSALS ADDENDUM NO. 1

On-Call Geotechnical Engineering and Materials Testing Services

November 18, 2022

Issuing Office:

City of Santa Maria

Public Works Department – Engineering Division

110 S. Pine Street, Ste. 221

Santa Maria, CA 93458

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REQUESTS FOR INFORMATION: Questions and Answers

1. The Public Notice states that proposals must be received by the Public Works Department via email, please clarify?

ANSWER: *Five (5) copies must be received on or before 4:00 p.m., Friday, December 16, 2022 with one (1) copy the consultant's schedule of fees submitted in a separate sealed envelope. If a consultant is concerned about file size limits, a link to cloud storage (Box.com, Dropbox, etc.) in the submittal email may be used.*

For hand delivery, or UPS/FedEx delivery, please use the following address:

*City of Santa Maria
Public Works Department
110 S. Pine Street, Ste. 221
Santa Maria, CA 93458*

Note: City Offices are closed on Friday, therefore, City staff will not be available to sign a UPS/FedEX delivery on Friday, December 16th. For hand delivery, please schedule your hand delivery no later than Thursday, December 15, 2022.

For Mailing using the United States Postal Service, please use the following address:

*City of Santa Maria
Public Works Department
110 S. Pine Street, Ste. 101
Santa Maria, CA 93458*

Note: Proposers may choose to submit an electronic copy of the proposal, excluding the Fee Schedule, by the deadline, so long as the hard copies of the proposal and sealed copy of the fee schedule are to be sent and postmarked prior to the deadline.

2. Please clarify the total number of pages that are acceptable to be submitted?

ANSWER: *Proposals shall be a maximum of 30 individual pages (i.e. 15 double-sided, 30 single-sided, or a mix thereof for a total of 30 individual pages).*

*Please note that the Sample Plans (2 sheets maximum, 11"x17" maximum size sheet) will **not** be counted as part of the 30-page limit and can be submitted as an Appendix.*

*Please note that the three (3) Client References will **not** be counted as part of the 30-page limit as well, and can be submitted as an Appendix. We request that client references be limited to one page each.*

3. Please clarify the intent and scope of work bring requested by the RFP?

ANSWER: The City desires to obtain the services of outside firms or individuals to help the City perform Geotechnical Services on an "on-call" as needed basis for various projects. The amount of work to be requested during contract period cannot be well defined at the outset. Task orders will be created under a Master Agreement and may include, but are not limited to, provide written reports, technical memorandums, calculations, and other documentation as necessary, and provide engineering and field support during construction activities.

The Consultant shall provide geotechnical engineering support services including, but not limited to the following:

- *Geotechnical engineering investigations*
- *Geotechnical feasibility studies*
- *Failure investigations of foundations, retaining walls, slopes, and pavement*
- *Engineering analysis of settlement-reduction methods*
- *Geologic evaluations, slope stability studies, and fault location studies*
- *Development of criteria for earth retention structures*
- *Groundwater monitoring and sampling*
- *Laboratory analysis of soil and groundwater samples*
- *Monitoring well installation and development*
- *Geophysical exploration*
- *Liquefaction and seismicity studies*
- *Seismic refraction/rippability studies*
- *Document and drawing review*
- *Field inspections and data collection*
- *Cost estimating*
- *Meeting attendance*
- *Design calculations and/or calculation review*
- *Design drawings or details*
- *Design requirements or recommendations*
- *Coordination with other consultants*

The field and laboratory data will be expected to be reviewed by a Registered Geotechnical Engineer, and evaluated with respect to development of geotechnical criteria for site preparation, grading, utility trenches, foundations, slabs-on-grade and exterior pedestrian flatwork, retaining walls, pavement sections, drainage around improvements, and observation and testing. The following items will be addressed:

- *Soil and groundwater conditions encountered*
- *Preparation of the building area prior to construction*
- *Grading criteria*
- *Types and depths of foundations*

- *Slab-on-grade design criteria*
- *Maximum allowable bearing capacities*
- *California Building Code (CBC) seismic criteria for use in foundation design*
- *Liquefaction potential*
- *Estimated total and differential settlement*
- *Resistance to lateral loads*
- *Retaining wall design criteria*
- *Pavement design criteria*
- *Drainage around improvements*
- *Observation and testing*

During construction, consultant may be asked to provide construction observation, special inspection, and materials testing. These may include, but limited to the following:

- *Geotechnical observation and field testing of soils*
- *Geotechnical certification of grading*
- *Geotechnical inspection of deep foundation systems*
- *Reinforced concrete special inspection*
- *Post-tensioned concrete special inspection*
- *Masonry special inspection*
- *Asphalt concrete placement inspection*
- *Spray-applied fireproofing special inspection and testing*
- *Shop and field welding special inspection*
- *Special inspection of high strength bolting and shear studs*
- *Shotcrete special inspection*
- *Inspection of shot pins and expansion anchors*
- *Inspection of reflected ceiling bracing and support*
- *DR-Meter (pachometer) testing of reinforced masonry and concrete*
- *Mobile asphalt laboratory testing*
- *Welder certification*
- *Concrete sampling and testing, including slump, air content, casting test cylinders, and compression testing*
- *Masonry sampling and testing, including block units, prisms, block shrinkage, mortar strength, grout strength and cores of completed*
- *Shotcrete sampling and testing, including slump, casting test panels, and compression testing*
- *Sampling and testing of reinforcing steel, torque testing, Bolt tension testing*
- *Bolt torque testing*
- *Asphalt, concrete, and grout mix designs and review of contractor submittals*

- *Soil samples will be tested in the laboratory to determine various engineering properties. The following types of tests are anticipated:*
- *Unit weight and moisture*
- *Expansion index*
- *Maximum density vs. optimum moisture*
- *Angle of internal friction and cohesion*
- *One dimensional consolidation*
- *R-value*

Each task will be based upon an agreed scope, schedule, and fee. An individual work order will be created under this Master Agreement for the completion of each project. The selected organization(s) will provide the full range of geotechnical services, including providing a licensed geotechnical engineer who is authorized to perform geotechnical investigation, evaluation, and design services for the City of Santa Maria on an as-needed basis, to act as an extension of City staff.