



## MATERIAL TESTING SERVICES REQUEST FOR PROPOSALS #17-074

### ADDENDUM 1

Addendum issued February 10, 2017

**The deadline for submitting questions has passed.**

**The deadline for submitting a proposal is February 22, 2017 at 2:00pm prevailing Central Time.**

The following correction/clarification is hereby incorporated into the Request for Proposals:

Bidder Question 1: On the schedule of services could you provide an ASTM or AASHTO reference number so that we can be sure we are quoting the correct test. We specifically have questions about items 1,2,9 and 15.

City Response: the ASTM testing method for the following items is:

1). ASTM C109/C109M

2). ASTM C476

9). This item consist of the following items:

- Concrete plant inspection
- Verification at plant that material's submitted correspond with those being supplied
- Sampling of fresh concrete at plant for strength analysis
- Analyzing and comparing strength samples from onsite collection to samples gathered at concrete plant
- Submittal of testing and analysis results

There may be multiple ASTM/AASHTO/ACI standard procedures that will be required to complete the analysis.

15). AASHTO T245 (Lab Analysis), the result of this test will be utilized to test in place density of asphalt utilizing the nuclear method. The in place density nuclear method testing will be paid as numbers 6&7.

Bidder Question 2: We have some question about the administration of this contract especially about the statement (The City reserves the right to award to multiple Firms as is in the best interest of the City) Our question revolves around how to price items. Any specifics you could provide on how you plan to administer this contract would let us give you the best pricing possible.

City Response. This RFP is for services by a technician, not an engineer. The City plans to use this contract as an "on-call" type of contract based on the awarded Firms' availability and workload on a particular project. It is important to have timely, quality testing services as the City continues to grow.

Bidder Question 3: Section 4.2 states that "All costs (personnel, time, travel, fuel, vehicles, mileage, equipment installation or removal, maintenance, data analysis, reporting, or other costs) associated with providing the services listed below shall be considered incidental and are to be included in the proposed prices". There is a line item (27) for "Trip Charge" in the table. Is there a trip charge associated with the projects.

City Response: Line Item #27 is intended to compensate the charges associated with transporting personnel, materials, samples, and equipment from the Firm's office to the City of Wentzville as well as charges associated with transporting personnel, materials, samples, and equipment from the city to their proper location of delivery. All other costs associated with services performed shall be incidental to the cost of the services. There shall be no additional compensation for any incidental cost associated with the performance of this contract as defined in Section 4.2

Bidder Question 4: In the materials Testing Estimated Quantities Per Year Table in section 4.2 of the RFP; Please define the type of mortar and Masonry Grout testing required by lines 1 & 2 of the table.

City Response: See City response to previous bidder question.

Bidder Question 5: On item 1, Mortar testing, what is your scope (AASHTO/ASTM should be followed) of you are considering? How many 2x2x2 cubes are you requiring per set?

City Response: See City response to previous bidder question.

Bidder Question 6: On item 2, Masonry Grout, what is your scope of your (AASHTO/ASTM should be followed) of you are considering? Normally one set of four prisms are cast (box mold) . How many samples are you requesting per set?

City Response: See City response to previous bidder question.

Bidder Question 7: On item 7, Nuclear Density Gauge (per individual test), industry standard is normally to have a daily/ half day charge for nuclear density testing since there is a thought of economy of scale that must be factored in. When performing for these individual tests, on average, how many tests would be taken in a day? Is there a set minimum of tests per day such as 5, or could it go as low as 1?

City Response: Please utilize the attached revised pricing page to submit with your proposal; the quantities listed in the base bid section is a rough estimate of total nuclear density test quantities that are needed within the city on an annual basis.

Bidder Question 8: On item 8, Concrete Core Drilling & Compression Test, what would be the average depth drilled per core? The depth would vary by location, the city standard pavement thickness is 7" for residential streets and 8" for commercial or industrial streets. However there may be some cases where the thickness is less than 7" and greater than 8". What is the maximum depth drilled per core? There is no anticipated maximum depth for core drilling. Will the cores only be drilled into a floor or pavement, or will coring of walls also be possible? The anticipated coring is for new and existing concrete pavements as well as potential floors. However, there may be some cases where horizontal core drilling and compression testing is necessary. The average annual horizontal core drilling for strength analysis is extremely low and the City of Wentzville operates its own core drills for water and sewer structure drilling. What diameter of core is required? The standard compression test sample for the City is 4". If for some reason depth of coring is greater than your maximum, is there an in place process to cover the additional cost of the work? This situation would be handled on a case by case basis. Is patching required, or will that be performed by others? Patching will be required for all coring within the city.

Bidder Question 9: On item 9, Concrete Mix Strength Analysis, please specify what AASHTO/ASTM and/or description of analysis and data requested.

City Response: See City response to previous bidder question

Bidder Question 10: On item 11, Aggregate Durability Analysis, which AASHTO/ASTM tests are you looking for as a minimum?

City Response: Depending on project specification, the durability testing for aggregates could vary, for projects that are federally funded the City of Wentzville typically adheres to the Missouri Department of Transportation Standards and Specifications (most current edition). However, for projects without federal funding the City typically utilized its own specification as set forth in City of Wentzville Construction Specifications (most current edition). See section 700 of the City of Wentzville Construction Specifications and Standards for the most up to date testing and analysis. City of Wentzville Construction Specifications can be found at [http://www.wentzvillemo.org/departments/public\\_works/construction\\_specifications.php#revize\\_document\\_center\\_rz317](http://www.wentzvillemo.org/departments/public_works/construction_specifications.php#revize_document_center_rz317)

- o We have the ability to run ASTM C 88, C 29, C 131, MoDOT TM71 and freeze/thaw testing.

Bidder Question 11: On item 23, Concrete Field Testing, does it involve running, air content, slump and temperature of the concrete?

City Response: Yes, the standard field testing for the city will include Air Content, Slump, and Temperature testing. In the past, the city has constructed projects with pervious pavements. The type of field testing for these mixes requires additional testing equipment and procedures. Will unit weight, spread test or volumetric air meter testing (ASTM C173) be required ever? City Response: These types of testing have been performed previously in extremely low quantiles.

Bidder Question 12: On item 25, Development of Strength –Maturity Relationship, in creating the maturity curve will the concrete be delivered to our lab?

City Response: The firm performing the testing is responsible for gathering samples as well. Is this for a rapid setting pavement repair mix? Yes standard and rapid setting concrete curves are included in this item. The mix types will vary by project.

Bidder Question 13: On item 26, Concrete Maturity Test (Strength), are you requesting a price for each maturity sensor that will be installed in the in-place concrete? If not, please specify.

City Response: Yes, this item will include the materials, labor, and equipment necessary to evaluate in place concrete maturity for fresh concrete the reading intervals could vary from 1-28 day depending on project and mix type.

Bidder Question 14: On item 28, Overtime Multiplier, are you looking for the multiplier ex. 1.5x standard rate or are you looking for the actual overtime rate per hour for a certified engineering technician?

City Response: Yes, this item is the standard multiplier for Certified Engineering Technician.

This addendum forms a part of the contract documents and modifies the original solicitation documents dated January 31, 2017. All other Terms and Conditions as applicable to this Request for Proposals shall remain as stated.

**Sign and return this page with your proposal to acknowledge the addendum.**

**ACKNOWLEDGEMENT OF ADDENDUM:**

COMPANY NAME: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_

**RFP #17-074, Schedule of Services (4.2 continued)**

Firms must use this form to submit pricing for their RFP response.

**REVISED PER ADDENDUM 1**

Materials Testing Base Bid Estimated Quantities Per Year					
Item No.	Description	Unit	Unit Price	Base Qty	Extension
1	Mortar testing	Ea.		10	
2	Masonry Grout	Ea.		10	
3	Certified Engineering Tech	Hr.		1000	
4	Nuclear Density Gauge (per individual test)	Ea.		300	
5	Concrete Core Drilling & Compression Test	Ea.		200	
6	Concrete Mix Strength Analysis	Ea.		5	
7	Aggregate Sieve Analysis	Ea.		15	
8	Aggregate Durability Analysis**	Ea.		5	
9	Aggregate Unit Weight	Ea.		5	
10	Asphalt Core Drilling & Density Analysis**	Ea.		5	
11	Asphalt Extraction/ Gradation	Ea.		3	
12	Marshall Density Test	Ea.		5	
13	Asphalt Content	Ea.		5	
14	Standard/Modified Proctor-Soil	Ea.		10	
15	Standard/Modified Proctor-Aggregate	Ea.		10	
16	Moisture Content Soils or Aggregate Analysis	Ea.		18	
17	Atterberg Limits	Ea.		18	
18	Specific Gravity Test-Fine Grain Aggregate	Ea.		3	
19	Specific Gravity Test-Coarse Grain Aggregate	Ea.		3	
20	Concrete Field Testing	Ea.		1500	
21	Concrete Strength Testing (4"x8" Cylinder)	Per Set of 4		1000	
22	Development of Strength-Maturity Relationship	Ea.		3	
23	Concrete Maturity Test (Strength)	Ea.		12	
24	Trip Charge (1 per day)	Ea.		200	
25	Overtime Multiplier	Hr.		30	
				Total	

Add Alternate A					
Item No.	Description	Unit	Unit Price	Base Qty	Extension
26	Certified Engineering Tech (4 Hours on site)*	1/2 Day		50	
27	Certified Engineering Tech (8 Hours on site)*	Day		25	
28	Nuclear Density Gauge	1/2 Day		50	
				Total	

\* Hours on site are tallied as total hours worked on City of Wentzville Projects. There may be multiple jobsite visits within city throughout the day.

\*\* Submit method of analysis for this item on separate sheet.

NOTE: No direct payment will be made for trip charges other than from office to City of Wentzville. All additional travel time is incidental to services being performed.