

City of Fayetteville Staff Review Form

2018-0385

Legistar File ID

8/7/2018

City Council Meeting Date - Agenda Item Only
N/A for Non-Agenda Item

Matt Casey

7/19/2018

Engineering /
Development Services Department

Submitted By

Submitted Date

Division / Department

Action Recommendation:

Approval of a resolution to award RFQ 18-01, Selection #7 to McClelland Consulting Engineers, Inc as primary provider and MTA Engineers, a division of Materials Testing of Arkansas, Inc. as a secondary provider based on rates provided and availability for on-call materials services as needed through December 31, 2018.

Budget Impact:

Account Number	Fund
Project Number	Project Title
Budgeted Item? <u>NA</u>	Current Budget
	Funds Obligated \$ -
	Current Balance \$ -
Does item have a cost? <u>No</u>	Item Cost
Budget Adjustment Attached? <u>No</u>	Budget Adjustment
	Remaining Budget \$ -

V20140710

Previous Ordinance or Resolution # _____

Original Contract Number: _____

Approval Date: _____

Comments:



MEETING OF AUGUST 7, 2018

TO: Mayor and City Council

THRU: Don Marr, Chief of Staff
Garner Stoll, Development Services Director
Chris Brown, City Engineer

FROM: Matt Casey, Engineering Design Manager

DATE: July 19, 2018

SUBJECT: **Approval of a resolution to award RFQ 18-01, Selection #7 to McClelland Consulting Engineers, Inc as primary provider and MTA Engineers, a division of Materials Testing of Arkansas, Inc. as a secondary provider based on rates provided and availability for on-call materials services as needed through December 31, 2018**

RECOMMENDATION:

A resolution to award RFQ 18-01, Selection #7 to McClelland Consulting Engineers, Inc as primary provider and MTA Engineers, a division of Materials Testing of Arkansas, Inc. as a secondary provider based on rates provided and availability for on-call materials services as needed through December 31, 2018.

BACKGROUND:

As part of each of the City's street, drainage, water and sewer projects, a materials testing lab is contracted to perform materials testing for the construction. The testing includes asphalt, gravel base, concrete and various other materials used during the construction of these projects. The testing is done to insure that the materials and the installation meet the City requirements and the project's specifications.

DISCUSSION:

An engineering selection committee selected McClelland Consulting Engineers, Inc. and MTA Engineers to be used for on-call materials testing services for street, drainage and utilities projects for the remainder of 2018

BUDGET/STAFF IMPACT:

Funds for the material testing have been budgeted in various capital projects with the Sales Tax Capital Improvements Fund, the Transportation Bond Fund and the Water and Sewer Fund.

Attachments:

Testing Rate Schedules

**CONSTRUCTION MATERIALS LABORATORY
 FEE SCHEDULE
 January 2018**

GENERAL:

Laboratory Field Technician	\$ 50.00 per hour
AHTD-Qualified Technician	50.00 per hour
Engineering Technician	80.00 per hour
Mileage	0.575 per mile
Consultation:	
Engineering Technician	80.00 per hour
Geotechnical Engineer	135.00 per hour
Construction Observation	80.00 per hour
Project Engineer	135.00 per hour
Project Manager (Geotechnical Specialist)	85.00 per hour
Principal Engineer	160.00 per hour
Lab Report Preparation	65.00 per hour

SOILS:

AHTD-Qualified Technician II - IV*	50.00 per hour
Soils Field Technician	50.00 per hour
In-Place Compaction Test-Nuclear Gauge ASTM D 2922, Sample Pickup, or Stand-by Time	
Nuclear Density Gauge Fee: (per Density Test); [Minimum \$12.00 per trip, per project]	12.00 each
Liquid Limit, Plastic Limit, Plasticity Index (3 point) ASTM D 4318	50.00 each
Sieve Analysis-Washed No. 200 (Wet) ASTM D 1140	40.00 each test
Sieve Analysis-Dry ASTM D 422	50.00 each test
Hydrometer Analysis ASTM D 422	120.00 each
Specific Gravity ASTM D 854	50.00 each
Soils Classification, Atterberg Limits & Gradation ASTM D 2487	110.00 each
Laboratory Maximum Compaction Test ASTM D 698 or AASHTO T 99	175.00 each
Laboratory Maximum Compaction Test ASTM D 1557 or AASHTO T 180	200.00 each
Potential Volume Change-Swell Pressure	100.00 each
California Bearing Ratio-CBR ASTM D 1883 (3 point) (Proctor curve additional)	300.00 each
Shrinkage ASTM D 427	50.00 each
Soil Bearing Capacity (Engineering Technician)	80.00 per hour
Non-ASTM Procedures Available On Request	

CONCRETE:

Concrete Mix Design	Price on Request
Review Concrete Mix Design (Geotechnical Engineer)	135.00 per hour
Confirm Concrete Mix Design	Price on Request
Concrete Field Technician* (1-hour minimum): [For any of the following 6 items:]	50.00 per hour
• Concrete Cylinder, Grout, Mortar or Beam Molding	
• Concrete Cylinder or Beam Pickup	
• Concrete Slump Test ASTM C 143	
• Concrete Air Content Test ASTM C 231 or C 173	
• Cement Mortar or Grout Sampling	
• Stand-by Time	
• Unit Weight and Yield of Freshly Mixed Concrete ASTM C 138	
AHTD-Qualified Concrete Technician II - IV: [For any of the foregoing 7 items:]	50.00 per hour
Compressive Strength of Concrete Test Cylinders ASTM C 39 (pad cap) (Incl. Processing, Storing & Curing)	20.00 each
Compressive Strength of Concrete Test Cylinders ASTM C 39 (sulfur capped) (Incl. Processing, Storing & Curing)	35.00 each
Spare Cylinders Specimens Processed, Stored & Cured but not Tested	15.00 each
Schmidt Hammer Testing (Engineering Technician)	80.00 per hour

*ACI Grade I Concrete Field Testing Technician

CONSTRUCTION MATERIALS LABORATORY
FEE SCHEDULE
 January, 2018

CONCRETE (Continued):

Flexural Strength of Concrete Beams ASTM C 78 or C 293 (Incl. Processing, Storing & Curing)	50.00 each
Spare Beam Specimens Processed, Stored & Cured but not Tested	40.00 each
Compressive Strength of Grout Cubes (Incl. Processing, Storing & Curing)	40.00 each
Compressive Strength of Cement Mortar Cubes (Incl. Processing, Storing & Curing)	25.00 each
Concrete Coring (3" or 4"):	
Core Machine & Lab Technician I	90.00 per hour
Compressive Strength of Concrete Cores (3" or 4")	40.00 each
Other Core Sizes	Price on Request
Aggregate Sieve Analysis:	
Dry Sieve ASTM C 136	8.00 each
Wet Sieve ASTM C 117	40.00 each
Fineness Modules	25.00 each
Decantation	35.00 each
Deleterious Materials	60.00 each
Specific Gravity and Absorption of Aggregate ASTM C 127 & C 128	90.00 each
Dry Rodded Unit Weight of Aggregate ASTM C 29	150.00 each
Sodium or Magnesium Sulfate Soundness (5 cycles) ASTM C 88	350.00 each
Additional Cycles	50.00 each

ASPHALT:

Asphalt Mix Design (Marshall Design Method)	Price on Request
Review Asphalt Mix Design (Geotechnical Engineer)	135.00 per hour
AHTD Asphalt Field Technician	
In-Place Compaction Test-Nuclear Gauge (Lab Technician)	50.00 per hour
Sample Pickup	50.00 per hour
Superpave Laboratory Analysis of Plant Mixed Pavement	600.00 each
Marshall Test including Stability, Flow, Laboratory Density, Percent Air Voids, Percent Voids in Mineral Aggregate (3 specimens per test)	500.00 each
AC Content Ignition Oven and Aggregate Gradation	1000.00 each
Laboratory Density of Cored Plugs including Thickness Measurement	35.00 each
Asphalt Coring (3" or 4"):	
Core Machine & Lab Technician	90.00 per hour

FIREPROOFING:

Unit Weight, Bonding Strength, Thickness and Sampling (Actual time required for Lab Technicians)	80.00 per hour
Tech Report Preparation (Geotechnical Engineer)	130.00 per hour

STRUCTURAL STEEL:

Bolt Torque Testing: Engineering Technician(s)	80.00 per hour
Project Engineer	135.00 per hour
Pneumatic Torque Wrench Calibration (twice per day)	50.00 each
Visual Weld Inspection Project Engineer	135.00 per hour
Certified Welding Inspector	100.00 per hour

Services Not Listed are Available on Request
 All prices are subject to revision each year



mtaengineers.com

MTA ENGINEERS a division of Materials Testing of Arkansas, Inc.

P.O. Box 23715 • Little Rock, AR 72221
Ph. 501.753.2526 • Fax 501.753.5747

812 Morris Ave • Springdale, AR
Ph. 479.756.0061 • Fax 479.756.9254

P.O. Box 17393 • Jonesboro, AR 7209
Ph. 870.530.8380 • Fax 870.972.0237

2018 Laboratory and Field Testing Fees

Soils and Aggregates Lab Testing:

Sieve Analysis-Fine (SM-1)	\$83.95
Sieve Analysis- Coarse (up to 1 ½ " Max.)	\$93.95
Sieve Analysis- Coarse (1 ½ "Plus)	\$111.95
Modified Proctor T-180	\$210.50
Standard Proctor T-99	\$185.60
Atterberg Limits (Liquid and Plastic Limits)	\$104.95
Proctor, PI, And Sieve (completed together)	\$405.00
Aggregate Gradation- Class 7	\$110.50
Specific Gravity-Fine	\$104.95
Specific Gravity-Coarse	\$98.95
Los Angeles Abrasion Test	\$450.00
Sodium Sulfate Soundness	\$500.00
Moisture Content Test	\$23.45

Concrete Testing:

Cylinder Molds (per box)	\$47.00
Concrete Core: Compressive Strength	\$29.15 per core
Concrete Beam: Flexural Strength	\$58.00 per test
Cylinder, Prism, Cube: Compressive Strength	\$16.95 per test
Concrete Mix Designs: *AHTD, PCCP	\$758.00
*Class S, SAE, and A	\$620.00
*ACI	\$620.00
Concrete Aggregate Gradation (Fine and Coarse)	\$195.00 per test



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Asphalt Test:

Aggregate Specific Gravity-Fine	\$104.95
Aggregate Specific Gravity-Coarse	\$98.95
Coring, Minimum Charge (Hourly Rate Applies Over 3 Hours)	\$187.15
Cutting, Measuring Cores (per core)	\$19.00
Super-Pave Mix Design, Per Mix	\$4,750.00
This includes all cost associated for approval by the AHTD (*Excluding Rutting Susceptibility)	
Marshall Mix Design, Per Mix	\$3,250.00
(*Includes determination of optimum asphalt content and Marshall Stability and Flow)	
Loaded Wheel Test for Rutting Susceptibility	
Set of 6 Prepared cylindrical samples	\$585.00
Set of 6 cylindrical samples requiring batching & mixing	\$935.00
Vacuum Extraction	\$400.00
Ignition Extraction	\$175.00
Profilograph	(Quoted Upon Request)
Quality Control (Daily Minimum Rate)	\$750.00 per day
Rolling Patterns	\$59.50 per hour

Field Tests:

Field Densities (Certified Technician)	\$59.95 per hour
Field Density Test	\$11.00 per test
Concrete QC Field Testing (ACI-CTTP Certified)	\$59.95 per hour
Picking Up Samples	\$59.95 per hour
CTTP ARDOT Certified Technician	\$65.00 per hour

Technician, Inspector and Engineering Rates:

Field Technician	\$59.95 per hour / \$700.00 day rate
Inspector/Observer	\$85.00 per hour
IBC Special Inspector	\$99.00 per hour
Field Engineer	\$79.50 per hour
Project Engineering	\$100.50 per hour
Professional Engineer	\$155.00 per hour



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Trip Charge:

Benton/Washington Counties	\$14.00 per trip
Outside of Benton/Washington Counties	\$0.74 per mile

Special Equipment:

Rebar Locator	\$210.00 per day
Ultrasonic Weld Inspection Equipment	\$415.00 per day
Magnetic Particle Inspection Equipment	\$55.00 per day
Liquid Penetrant Inspection Materials	\$2.20 per inch/weld maximum

Office and Reports:

Report Review and Submittal Fee	\$14.00 per report
Clerical (Previously sent out reports)	\$50.00 per hour

1 Hour Minimum on Weekdays

3 Hour Minimum on Weekends

Hourly rates will be charged for field reports, inspector reports and engineering reports.

We request a 24-hour notice when scheduling

If additional licensing is required for the transport and use of our nuclear density gauges onsite, we will charge at cost plus 20%.

If you have any questions, or if we can be of further assistance, please call us at 501-753-2526

Visit our website: www.mtaengineers.com