



City of Bixby Bixby Public Works Authority Meeting Agenda

Monday, July 8, 2024

Immediately Following the
City Council Meeting

City Hall Municipal Building
116 W. Needles Ave., Bixby,
OK 74008

Public comments are limited to items on the agenda. Those wishing to speak on agenda items will need to appear in the City Council Chamber.

Call to Order

Chairman

Roll Call

Shannon Duran, City Clerk

Consent Agenda

Secretary's Report

Consider and Approve:

- 1) Approve Bixby Public Works Authority Minutes dated 06/24/24.
- 2) Consider and/or approve Purchase Orders for FY25 for the Water Department as follows:
 - **Accurate Labs for \$20,000** water – DBP, Lead, Copper, Bac-T Testing
 - **Core and Main for \$75,000** – Plumbing Parts
 - **Core and Main for \$125,000** – Neptune AMR meter purchase
 - **Utility Supply - \$25,000** – Plumbing Parts
- 3) Consider and/or approve Purchase Orders for FY25 for the Bixby Water Reclamation Facility as follows:
 - **Polydyne for \$54,200** – Purchase Polymer
 - **Hawkins Chemical for \$17,200** – Sodium Hypochlorite, Ferric
 - **American Environmental Landfill for \$72,000** – Sludge Tipping Fees
- 4) Consider and/or approve payment to McGuire Brothers Construction for emergency waterline repair at Memorial Drive and Fry Ditch; total cost of \$14,200.

- 5) Consider and/or approve the contract with GFAC Materials Testing for Testing Services for the Public Works Facility for \$49,100.

Regular Agenda

- 1) Discuss and/or approve purchasing a centrifuge rotating assembly for \$250,000 from GEA Mechanical Equipment.

Bea Aamodt, Public Works Director

- 2) New Business

In accordance with the Open Meeting act, Title 25 O.S. § 311.A.10, new business is defined as any matter not known about or which could not have been reasonably foreseen prior to the time of posting the agenda.

- 3) Adjournment

Notice of Posting

This Notice and Agenda was posted on the bulletin board this day of July 5, 2024, on or before 5:00 p.m., at City Hall, 116 W. Needles Avenue, Bixby, Oklahoma.

Respectfully Submitted

Shannon Duran
City Clerk

Note: All cell phones and pagers must be turned off or operated silently during all meetings.

21 O.S. Section 280 provides the following: A. It is unlawful for any person, alone or in concert with others and without authorization, to willfully disturb, interfere or disrupt state business, agency operations or any employee, agent, official or representative of the state. B. It is unlawful for any person who is without authority or who is causing any disturbance, interference or disruption to willfully refuse to disperse or leave any property, building or structure owned, leased or occupied by state officials, employees, agents or representatives or used in any manner to conduct state business or operations after proper notice by a peace officer, sergeant-at-arms, or other security personnel. C. Any violation of the provisions of this section shall be a misdemeanor punishable by imprisonment in the county jail for a term Oklahoma Statutes - Title 21. Crimes and Punishments Page 94 of not more than one (1) year, by a fine not exceeding One Thousand Dollars (\$1,000.00), or by both such fine and imprisonment. D. For purposes of this section, "disturb, interfere or disrupt" means any conduct that is violent, threatening, abusive, obscene, or that jeopardizes the safety of self or others.

For Special Accommodations

Persons who require a special accommodation to participate in this meeting should contact City Clerk, Shannon Duran: 116 West Needles Avenue, Bixby, Oklahoma, 918-366-4430 or email [City Clerk, Shannon Duran](mailto:sduran@bixbyok.gov) (sduran@bixbyok.gov), as far in advance as possible and preferably at least 48-hours before the date of the meeting. Persons using a Telecommunication Device for the Deaf may contact Oklahoma Relay at 1-800-722-0353 and voice calls should be made to 1-800-522-8506 to communicate via telephone with hearing telephone users and vice versa.

Bixby Public Works Authority Meeting Minutes

City Hall Municipal Building
116 W. Needles Ave., Bixby, OK 74008
June 24, 2024 at 6:00 PM

The agenda for the regularly scheduled meeting of the Bixby Public Works Authority of the city of Bixby was posted on the bulletin board at City Hall, 116 West Needles Avenue, Bixby, Oklahoma on June 21, 2024, on or before 5:00 p.m.

Call to Order

Vice Mayor Founds called the Bixby Public Works Authority Meeting to order at 8:39 pm.

Roll Call

Shannon Duran, City Clerk, called the roll, and the following were present:

Members Present

Mayor Guthrie (Not Present)
Vice Mayor Founds
Councilor Girard
Councilor Hirshey
Councilor Schultz

Staff Present

Jared Cottle, City Manager
Shannon Duran, City Clerk
Phil Frazier, City Attorney
Charles Barnes, Finance Director
Bea Aamodt, Public Works Director
Justin Dowd, City Engineer
Bryan Toney, Public Information Officer

Consent Agenda

- 1) Approve Bixby Public Works Authority Minutes dated 06/10/24.
- 2) Consider and/or approve a Purchase Order for Core and Main, a sole source purchase for Neptune AMR in the amount of \$35,000.

Vice Mayor Founds said Items 1-2 on the Consent Agenda is up for discussion and consideration.

Vice Mayor Founds asks for a motion to approve items 1-2 on the Consent Agenda. Councilor Hirshey made a motion to approve, seconded by Councilor Girard. The vote was taken with the following results:

Carried:4-0-1

Ayes: Hirshey, Girard, Schultz, Founds

Nays: 0
Absent: Guthrie

Regular Agenda

1) New Business

In accordance with the Open Meeting act, Title 25 O.S. § 311.A.10, new business is defined as any matter not known about or which could not have been reasonably foreseen prior to the time of posting the agenda.

No new business

2) Adjournment

An adjournment was called at 8:39 pm

Mayor

City Clerk

CONSENT AGENDA ITEM COMMENTARY

ITEM TITLE: Discuss and/or approve Purchase Orders for FY25 for the Water Department as follows:

- **Accurate Labs for \$20,000** water – DBP, Lead, Copper, Bac-T Testing
- **Core and Main for \$75,000** – Plumbing Parts
- **Core and Main for \$125,000** – Neptune AMR meter purchase
- **Utility Supply - \$25,000** – Plumbing Parts

INITIATOR:

Bea Aamodt, PW Director

STAFF INFORMATION SOURCE:

Erik Dye, Field Operations Manager

BACKGROUND:

Tulsa County and Accurate Labs Submitted quotes for Water testing.

Core and Main is a sole source purchase for AMR

EXHIBITS: None

KEY ISSUE: Approval of PO for recurrent expenses

COUNCIL ACTION: Approve or deny

RECOMMENDATION: Approve

ITEM NO: _____

MEETING DATE: 07-09-24

MEETING: BPWA

CONSENT AGENDA ITEM COMMENTARY

ITEM TITLE: Discuss and/or approve Purchase Orders for FY25 for the Bixby Water Reclamation Facility as follows:

- **Polydyne for \$54,200** – Purchase Polymer
- **Hawkins Chemical for \$17,200** – Sodium Hypochlorite, Ferric
- **American Environmental Landfill for \$72,000** – Sludge Tipping Fees

INITIATOR: Bea Aamodt, PW Director

STAFF INFORMATION SOURCE: Jacob Smith, Project Manager

BACKGROUND:

Open Purchase Orders to pay for Chemicals and Sludge Tipping Fees for FY25.

Core and Main is a sole source purchase for AMR

EXHIBITS: Summary Spreadsheet

KEY ISSUE: Approval of PO for recurrent expenses

COUNCIL ACTION: Approve or deny

RECOMMENDATION: Approve

ITEM NO: _____

MEETING DATE: 07-09-24

MEETING: BPWA

Landfill and Chemical needs for the Bixby Reclamation Facility - FY25

Purchase Orders Needed	Reason	
American Environmental Landfill	Tipping Fees	Estimated
Hawkins	Bleach	4 275
Hawkins	Ferric	1 275 gallon tote la
Hawkins	ACH	
Polydyne	Polymer	1 275 Gall

Estimated Usages	Estimated Total Annual Cost	
Average of 5 trucks per week approx \$6000 per month	\$72,000	*
5 gallon totes filled 3 times for 2 bleaching events	\$10,000	**
asts approximately 3 months adding 1 for safety \$1430 per tote	\$7,200	
3 275 totes filled twice per year		
on tote per month adding 3 for safety \$3,611 per tote	\$54,200	
Chemical and Sludge Total Annual Cost	\$143,400	

* Estimated using costs from January-May 2024 since receiving new truck

** Did not use ACH last year. No need to budget this year.

CONSENT AGENDA ITEM COMMENTARY

ITEM TITLE: Discuss and/or approve payment to McGuire Brothers Construction for emergency waterline repair at Memorial Driver and Fry Ditch; total cost of \$14,200

INITIATOR: Bea Aamodt

STAFF INFORMATION SOURCE: Erik Dye

BACKGROUND: McGuire repaired the 12-in waterline that crosses under the Fry Ditch, south of Memorial. This line is a main feeder for which the repair involved dewatering and large equipment.

EXHIBITS: Invoice

KEY ISSUE: Infrastructure Maintenance

COUNCIL ACTION: Approve or deny

RECOMMENDATION: Approve payment for emergency repair

ITEM NO: _____

MEETING DATE: 07-09-2024

MEETING: BPWA

TO **City of Bixby**
116 W Needles
Bixby, OK 74008

JOB NAME **Waterline Repair**
Memorial & Fry Ditch Overpass

Invoices are due when rendered, and shall be considered past due after 30 days; past due accounts are subject to service charges of 1.5% per month, beginning on the past due date.

Consent Agenda Item Commentary

Item Title

Consider and/or approve the contract with GFAC Materials Testing for Testing Services for the Public Works Facility for \$49,100

Initiator

Bea Aamodt

Staff Information Source

Jon Brown

Background

GFAC has submitted a proposal to provide Testing services for the Public Works Facility Project located in Bixby, Oklahoma. Services to be provided will be on a time and materials basis in accordance with the attached fee schedule, not to exceed \$49,100

Exhibits

1. GFAC Agreement: Public Works Facility

Key Issue

Approve Contract

Council Action

Consider and/ or approve the contract with GFAC for testing services

Recommendation

Approve

Item No:**Meeting Date**

July 8th, 2024

Meeting

BPWA



GFAC Engineering

8157 E. 46th Street
Tulsa, Oklahoma 74145
Phone: 918-622-7021

June 24, 2024

City of Bixby
Mr. Jon Brown
116 West Needles Avenue
Bixby, OK 74008

**Subject: Proposal for Construction Observation and Testing Services
City of Bixby Public works Building
Bixby, Oklahoma.
Proposal CMT2024073**

Dear Mr. Brown:

GFAC ENGINEERING PLLC (GFAC) is pleased to present this proposal to provide Construction Observation and Testing services for the proposed City of Bixby Public Works Building located in Bixby, Oklahoma. Services to be provided will be on a time and materials basis in accordance with the attached fee schedule and the GFAC General Terms and Conditions (Professional Services).

COMPENSATION

GFAC will provide construction materials observation and testing on a part time basis as requested/scheduled. Services will be provided on a time and materials basis in accordance with the attached fee schedule. An invoice for our services will be submitted upon completion of our services or on a monthly basis, whichever occurs first.

A two-hour minimum charge applies for all field services except for structural steel inspections, and they have a four-hour minimum. Technical professional time for field services is billed portal-to-portal, in ¼ hourly increments following the minimum 3 hours and minimum 4 hours, respectively.

Hours worked on weekends (Saturday and Sunday) and holiday work will be charged at 1.25 times the hourly rates.

Based upon the information provided, we have estimated that the testing and observation for the project would be approximately \$42,709.00. It should be noted that the testing is dependent upon the construction sequence, construction schedule, weather conditions, and contractor's progress; amongst other things that are not within the control of GFAC.

GFAC recommends carrying an allowance of fifteen percent (15%) or \$49,100.00 to allow for any unforeseen costs due to these restrictions. GFAC will provide you with periodic updates pertaining to the total amount charged for services at the project site. This is an estimate, and the project will be charged for the actual services provided.

SERVICES

GFAC proposes to provide the following services as needed:

Earthwork

- Obtain and perform laboratory moisture/density relationship (standard proctor- ASTM D698) and soil classification tests (liquid limit, plastic limit and percent finer than No. 200 sieve analysis) for each soil type used as fill material.
- Perform proof roll observation of subgrade and aggregate base prior to placing fill for pavement areas as required by project plans and specifications.
- Perform in-place moisture/density tests on subgrade and fill materials as required by project plans and specifications.
- Perform sieve analysis and laboratory moisture/density relationship (standard proctor- ASTM D698) of selected aggregate base material.
- Perform full time observation during drilled pier operations.

Reinforcing Steel

- Perform field inspection of reinforcing steel for size, spacing, clearances and arrangement for footing/grade beams, slab on grade, slab on metal deck, drilled piers, CMU walls, curb/gutter, sidewalks, and paving.

Concrete

- Obtain fresh samples and perform slump, air, temperature, and cast 5 (4x8) compressive strength specimens every 50 cubic yards for footing/grade beams, drilled piers, slab on grade, slab on metal deck, curb/gutter, paving, and sidewalks.
- Perform compressive strength testing of laboratory cured cylindrical specimens.
- Perform compressive strength testing on field cured cylindrical specimens.
- Perform Floor Flatness/Floor Levelness on slab on grade and elevated slabs.

Masonry

- Perform field observation for pre-grout verify cells clean and continuous observation for grout placement and consolidation for CMU walls.
- (Grout) Obtain fresh samples and perform slump and cast 8 compressive strength specimens for CMU block walls per visit.
- (Mortar) Obtain fresh samples and cast 6 compressive strength specimens for CMU walls per visit.
- Perform compressive strength testing of laboratory-cured specimens.

Structural Steel

- Visual observation of welded and bolted connections by CWI certified personnel.
- Visual observation of cold formed metal framing (if required)

Asphalt

- Obtain hot mix samples and perform AC content, gradation, lab molded density/air voids and rice gravity at the rate of 1 sample for each type of asphalt per day.
- Cut and retrieve 3 asphalt cores for each asphalt type for in place density testing for asphalt placement. A minimum of 3 cores per asphalt type will be cut.

LIMITATIONS

All terms and conditions indicated in this proposal will be considered by both parties to be in effect from the effective date of the signed contract through completion of the project.

Our work will be performed in a manner consistent with that level of care and skill ordinarily exercised by other members of GFAC's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions, and recommendations will be based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. GFAC makes no guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

We will not be responsible for any aspect of job site safety and our services will not include any job site safety obligations required by the Contract Documents, the applicable building code or OSHA regulations. Further, our on-site personnel do not have our authority to modify this proposal/contract to assume any such responsibility. Job site safety will be the sole responsibility of the contractor.

Even with diligent monitoring, construction defects may occur. In all cases the contractor is solely responsible for the direction and quality of the work, adherence to plans and specifications, and repair of defects

CLOSURE

We are pleased to submit our proposal/contract for the Construction Observation and Testing services for the proposed City of Bixby Public Works Building located in Bixby, Oklahoma. If you have questions regarding this proposal or require additional information, please contact the undersigned.

Sincerely,

GFAC ENGINEERING, PLLC

Certificate of Authorization #8119; Exp. 6/30/2024



Bill Bethel
CMT Project Manager



Bryan Gaston
CMT Project Manager

**NOTICE-TO-PROCEED AND
ACCEPTANCE OF AGREEMENT
GFAC ENGINEERING, PLLC. PROPOSAL CMT2023155
CONSTRUCTION OBSERVATION AND TESTING
CITY OF BIXBY PUBLIC WORKS BUILDING
BIXBY, OKLAHOMA**

Charges will be billed to Accounts Payable Department at the undersigned unless specified below. By signing this agreement, you will be responsible for all charges and that you are authorized to act on behalf of your firm.

BY: _____ **FOR:** _____
(Print Name of Individual) (Print Name of Firm)

BILLING ADDRESS: _____

PHONE: _____ **FAX:** _____

SIGNATURE: _____ **DATE:** _____

Please email Notice-to-Proceed to **bbethel@gfacengineering.com** as soon as possible and return a signed original for our records

GFAC ENGINEERING PLLC. GENERAL TERMS AND CONDITIONS (PROFESSIONAL SERVICES)

1. **Services.** This Agreement is entered into between Client and GFAC TEXAS PLLC ("Consultant") wherein Client engages Consultant to provide professional services ("Services") in connection with the project described in the proposal ("Project") to which these General Conditions are attached. Client agrees that services not specifically described in the Scope of Services identified in Consultant's proposal are not included in the Scope of Services described by consultant. This Agreement, including the proposal, these General Conditions, Consultant's Addenda and Fee Schedule, represents the entire Agreement between the parties and supersedes any and all agreements between the parties, either oral or in writing, including any purchase or work order issued by Client.
2. **Payment.** Client shall pay invoices upon receipt. Invoices not paid within thirty (30) days of the invoice date shall be subject to a late payment fee of 1½ % per month from the date of invoice. Additionally, Consultant may, upon five (5) calendar days' notice to Client, suspend all Services until paid in full and may terminate the Agreement.
3. **Prevailing Wages.** It is Client's legal responsibility to determine whether the Project is covered under prevailing wage regulations. Unless Client specifically informs Consultant in writing that the Project is a prevailing wage project and is identified as such in Consultant's Scope of Services, Client agrees to reimburse Consultant and to defend, indemnify and hold harmless Consultant from and against any liability, including costs, fines and attorneys' fees, resulting from a subsequent determination that the Project was covered under prevailing wage regulations.
4. **Work Product.** Services provided under this Agreement, including all reports, information, recommendations, or opinions ("Reports") prepared or issued by Consultant, are for the exclusive use and benefit of Client or its agents in connection with the Project, are not intended to inform, guide or otherwise influence any other entities or persons with respect to any particular business transactions, and should not be relied upon by any entities or persons other than Client or its agents for any purpose other than the Project. Client will not distribute or convey such Reports to any other persons or entities without Consultant's prior written consent which shall include a release of consultant from liability and indemnification by the third party. Consultant's Reports, boring logs, maps, field data, drawings, test results and other work products are part of Consultant's professional services, do not constitute goods or products and are copyrighted works of consultant. However, such copyright is not intended to limit the Client's use of its work product in connection with the Project.
5. **Standard of Care.** Consultant will strive to perform the Services in a manner consistent with that level of care and skill ordinarily exercised by members of the Consultant's profession practicing in the same locality under similar circumstances at the time the services are performed. This Agreement creates no other representation, warranty, or guarantee, express or implied.
6. **Limitation of Liability.** Consultant's potential liability to Client and others is grossly disproportionate to Consultant's fee due to the size, scope, and value of the Project. Therefore, unless Client and Consultant otherwise agree in writing in consideration for an increase in Consultant's fee, Client, including its directors, officers, partners, employees, agents, contractors, and their respective assigns, agree to limit Consultant's liability (whether arising from contract, statutory violation, or tort) to the greater of \$25,000 or the amount of Consultant's fee. This limitation of liability shall apply to all phases of Services performed in connection with this Project, whether subsequent to or prior to the execution of this Agreement. In no event shall Consultant be liable for consequential, incidental, or special damages.
7. **Construction Observation.** If included in the Services, Consultant's services during construction shall be limited to observation and testing of construction operations. Consultant shall not be responsible for constant or exhaustive inspection of the work, the means and methods of construction or the safety procedures employed by Client's contractor. Performance of construction observation services does not constitute a warranty or guarantee of any type, since even with diligent observation, some construction defects, deficiencies, or omissions in the Contractor's work may occur. Client shall hold its contractor solely responsible for the quality and completion of the Project, including construction in accordance with the construction documents. Any duty hereunder is for the sole benefit of the Client and not for any third party, including the contractor or any subcontractor. Client, or its designees, shall notify Consultant at least twenty-four (24) hours in advance of any field tests and observations required by the construction documents.
8. **Certifications.** Consultant shall sign certifications only if (a) Consultant approves the form of such certification prior to the commencement of Services, (b) such certification is included in Consultant's Services, (c) the certification is limited to a statement of professional opinion and does not constitute a warranty or guarantee, express or implied. Any certification shall not relieve any entity of its obligations.
9. **Samples.** All samples shall remain the property of the Client. Client shall promptly, at its cost, remove and lawfully dispose of samples, cuttings, and hazardous materials. If appropriate, Consultant shall preserve samples obtained no longer than sixty (60) days after the issuance of any document that includes the data obtained from those samples. After that date, Consultant may dispose of the samples or return them to Client at Client's cost.
10. **Client Responsibilities.** Client shall bear sole responsibility for (a) jobsite safety; (b) notifying third parties including any governmental agency or prospective purchaser, of the existence of any hazardous or dangerous materials located in or around the Project site; and (c) providing and updating Consultant with accurate information regarding existing conditions, including the existence of hazardous or dangerous materials, proposed Project site uses, the correct location of Project property boundaries, any change in Project plans, and all subsurface installations, such as pipes, tanks, cables and utilities within the Project site. Client shall cooperate with all requests by consultant, including obtaining permission for access to the Project site. Client releases Consultant from liability for any incorrect advice, judgment or decision based on inaccurate information furnished by Client or others. If reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance, including hazardous materials, encountered on the site, Consultant shall immediately stop work in the affected area and report the condition to Client.
11. **Electronic Media.** Because data stored on electronic media can deteriorate undetected or be modified without Consultant's knowledge, the Client accepts responsibility for the completeness or readability of the electronic media after an acceptance period of 30 days from delivery of the electronic files.
12. **Indemnification.** To the fullest extent permitted by law, Client, including its directors, officers, partners, employees, agents, contractors and their respective assigns, agrees to indemnify, defend, and hold harmless Consultant, its directors, officers, employees and subcontractors from and against all claims, liability, damages, or expenses ("Claims") arising out of, in connection with or relating to any alleged act, failure to act, or other conduct of Consultant, including but not limited to, Claims alleging the negligence or other fault of Consultant, but specifically excepting Claims arising out of Consultant's sole negligence or willful misconduct. Client shall indemnify Consultant even if Client is partially or wholly without fault for such Claims.
13. **Dispute Resolution.** The parties shall attempt resolution of any dispute arising under or related to this Agreement by mediation. Notwithstanding the foregoing, in the event of Client non-payment, Consultant may, at its sole option, waive mediation. Either party may demand mediation by serving a written notice on the other party stating the essential nature of the dispute. The mediation shall be conducted in accordance with the AAA Construction Industry Mediation Rules then in effect within forty-five (45) days from the service of notice. The parties shall share the fees equally. If mediation fails, either party may institute litigation in the state or federal court of the county in which Consultant's office issuing the proposal is located. The prevailing party shall be entitled to attorneys' fees, cost, including costs incurred in the mediation and costs of enforcement of any judgment. The parties expressly waive any statute of limitations for a longer period of time and agree that any action shall be brought within one year from the date of Consultant's final invoice. The parties expressly waive any and all rights to a trial by jury in any action, proceeding or counterclaim brought by either of the parties against the other with respect to any matter relating to, arising out of or in any way connected with this Agreement.
14. **Changed Conditions.** If during the course of performance of this Agreement conditions or circumstances are discovered which were not contemplated by consultant at the commencement of this Agreement, Consultant shall notify Client of the newly discovered conditions or circumstances, and Client and Consultant shall renegotiate, in good faith, the terms and conditions of this Agreement. If amended terms and conditions cannot be agreed upon within thirty (30) days after notice, Consultant may terminate this Agreement and Consultant shall be paid for its services through the date of termination.
15. **Governing Law.** The laws of the State where the Agreement was entered into shall govern interpretation of this Agreement. If any term is deemed unenforceable, the remainder of the Agreement shall stay in full force and effect.
16. **Additional Provisions.** Neither party may assign its interest in this Agreement without the prior written consent of the other. Any modification to this Agreement will be effective only if it is in writing signed by the party to be bound, except that if Consultant has performed services in reliance on Client's verbal approval to proceed, Client shall be bound by such verbal approval. One or more waivers of any term, condition or covenant by either party shall not be construed as a waiver of any other term, condition, or covenant. This Agreement may be signed in counterpart.



**City of Bixby Public Works Building
Bixby, Oklahoma
GFAC CMT 2024073**

Activity	Invoice Name *	Est. Units	Unit Fee	Estimated Cost
Compaction Testing of Fill Materials, Subgrade & Base				
Engineering Technician, per hour	Soil Services	100 hrs	\$ 55	\$ 5,500
Moisture-Density Relationship (ASTM D 698), Soil	Moist Density D698	4 ea	\$ 175	\$ 700
Moisture-Density Relationship (ASTM D 698), Aggregates	Moist Density D698	1 ea	\$ 185	\$ 185
Atterberg Limits, each	Atterberg Limits	4 ea	\$ 65	\$ 260
Percent Finer than No. 200 Sieve, each	Sieve Analysis	4 ea	\$ 75	\$ 300
Nuclear Guage Fee	Radation Charge	28 ea	\$ 45	\$ 1,260
Project Site Visits, Mileage	Vehicle Charge/Trip	30 trips	\$ 40	\$ 1,200
Subtotal				\$ 9,405
Foundation Observation, per hour *				
Drilled Pier Foundation Observation	Drilled Pier Observation	0 hrs	\$ 55	\$ -
Project Site Visits, Mileage	Vehicle Charge/Trip	0 trips	\$ 45	\$ -
Subtotal				\$ -
Concrete Testing & Observation				
Engineering Technician, per hour	Concrete Services	100 hrs	\$ 55	\$ 5,500
Reinforcing Steel Placement Observation, per hour	Rebar Plcmnt Observation	20 hrs	\$ 55	\$ 1,100
Sample Pick-Up/Delivery, per hour	Sample Pick-Up/Delivery	40 hrs	\$ 48	\$ 1,920
Concrete Test Cylinders, each Lab Cure	Concrete Comp Test	200 ea	\$ 18	\$ 3,600
Floor Flatness/Levelness	Equipment Rental	2 ea	\$ 250	\$ 500
Project Site Visits, Mileage	Vehicle Charge/Trip	60 trips	\$ 40	\$ 2,400
Subtotal				\$ 15,020
Structural Steel Welding and Bolting Observation and Testing				
AWS Certified Welding Inspector, per hour	Steel Services (CWI)	16 hrs	\$ 125	\$ 2,000
Project Site Visits, Mileage	Vehicle Charge/Trip	4 trips	\$ 40	\$ 160
Subtotal				\$ 2,160
Masonry Observation and Testing				
Engineering Technician, per hour	Masonry Services	60 hrs	\$ 55	\$ 3,300
Reinforcing Steel Placement Observation, per hour	Rebar Plcmnt Observation	8 hrs	\$ 55	\$ 440
Grout Samples	Grout Comp Test	32 ea	\$ 18	\$ 576
Mortar Samples	Mortar Comp Test	24 ea	\$ 18	\$ 432
Project Site Visits, Mileage	Vehicle Charge/Trip	10 trips	\$ 40	\$ 400
Subtotal				\$ 5,148
Asphalt Testing				
Engineering Technician, per hour	Asphalt Technician	16 hrs	\$ 55	\$ 880
Asphalt Series, AC, Gradation, Rice Gravity, and Lab Molded Density	Asphalt Series	4 ea	\$ 375	\$ 1,500
Thickness and Density of Field Cores	Asphalt Cores	12 ea	\$ 28	\$ 336
Coring of Asphalt Pavement	Asphalt Cores	6 ea	\$ 75	\$ 450
Asphalt Coring Equipment	Core Equipment Rental	2 ea	\$ 175	\$ 350
Project Site Visits, Mileage	Vehicle Charge/Trip	5 ea	\$ 40	\$ 200
Subtotal				\$ 3,716
Project Management / Administration				
Project Management	Project Management	40 hrs	\$ 95	\$ 3,800
Project Engineer (Engineering & Review)	Project Engineer	0 hrs	\$ 165	\$ -
Project Site Visits, Mileage	Vehicle Charge/Trip	4 trips	\$ 40	\$ 160
Administration/Report Document Preparation	Admin./Report Doc. Prep.	60 hrs	\$ 55	\$ 3,300
Subtotal				\$ 7,260
TOTAL ESTIMATED COST:				\$ 42,709
TOTAL RECOMMENDED BUDGET:				\$ 49,100

Regular Agenda Item Commentary

Item Title

Discuss and/or approve purchasing a centrifuge rotating assembly for \$250,000 from GEA Mechanical Equipment.

Initiator

Bea Aamodt

Staff Information Source

Bea Aamodt

Background**Exhibits****Key Issue****Council Action****Recommendation****Item No: 1.****Meeting Date**

July 8, 2024

Meeting

20240708 Bixby Public Works Authority

Regular Agenda Item Commentary

Item Title

New Business

In accordance with the Open Meeting act, Title 25 O.S. § 311.A.10, new business is defined as any matter not known about or which could not have been reasonably foreseen prior to the time of posting the agenda.

Initiator

Bea Aamodt

Staff Information Source**Background****Exhibits****Key Issue****Council Action****Recommendation****Item No: 2.****Meeting Date**

July 8, 2024

Meeting

20240708 Bixby Public Works Authority