CONTRACT
BETWEEN SHELBY COUNTY GOVERNMENT
AND
AFRAM CORPORATION

This agreement (the "Contract") entered into this _____ day of _____, 2009, by and between SHELBY COUNTY GOVERNMENT, hereinafter referred to as "COUNTY" and AFRAM CORPORATION hereinafter referred to as "CONSULTANT".

WITNESSETH

WHEREAS, the COUNTY desires to employ the Consultant to provide the COUNTY with professional engineering services for the design of Ward Road Bridge over Big Creek Drainage Canal, herein referred to as the "Project"; and

WHEREAS, the CONSULTANT has the knowledge and expertise to provide such services; and

WHEREAS, the CONSULTANT was selected under RFP #06-010-21 to provide design services for the Project; and

WHEREAS, the parties are desirous of entering into a contract setting forth the terms and conditions under which the CONSULTANT will provide said services.

NOW THEREFORE, for and in consideration of mutual promises and covenants herein contained, the parties hereto agree as follows:

I. SCOPE OF WORK

1. The CONSULTANT shall provide the services as outlined within the Scope of Services, which is attached hereto and as outlined within the cost proposal which is attached hereto as Exhibit "A" and incorporated herein by references as if stated verbatim (the "Services").

II. TERM AND COMPENSATION

1. The term of this Contract (the "Term") shall be for 120 days from the date of execution or until completion.

2. The COUNTY agrees to compensate the CONSULTANT for the provision of the Services the sum total not to exceed ONE HUNDRED FIVE THOUSAND ($105,000.00) Dollars (the "Fee") during the term of this Contract which shall include all reimbursable expenses.

3. The CONSULTANT shall submit invoices to the COUNTY on a monthly basis for Services performed during the preceding month as outlined in the attached Exhibit A. The invoices will be based upon CONSULTANT'S estimate of the proportion of the total services actually completed at the time of billing and shall be submitted in duplicate to the address set forth in Paragraph 30 of this Contract to the attention of Michael E. Oakes, County Engineer. The COUNTY shall pay such invoices within thirty (30) days of its receipt and approval of said invoices. The COUNTY is not obligated to pay, and will withhold from payment, any amounts the COUNTY has in dispute with the CONSULTANT based on CONSULTANT'S non-performance or negligent performance of any of the Services under this Contract.

III. GENERAL CONDITIONS

The parties further agree as follows:

1. CONTROL

All Services by the CONSULTANT will be performed in a manner satisfactory to the COUNTY, and in accordance with the generally accepted business practices and procedures of the COUNTY.

2. CONSULTANT'S PERSONNEL

The CONSULTANT certifies that it presently has adequate qualified personnel to perform all Services required under this Contract. All work performed during the Term of this Contract will be supervised by the CONSULTANT. The CONSULTANT further certifies that all of its employees assigned to serve the COUNTY have such knowledge and experience as required to perform the duties assigned to them. Any employee of the CONSULTANT who, in the opinion of the COUNTY, is incompetent, or whose conduct becomes detrimental to the work, shall immediately be removed from association with the Services under this Contract.

3. INDEPENDENT STATUS

a. Nothing in this Contract shall be deemed to represent that the CONSULTANT, or any of the CONSULTANT's employees or agents, are the agents, representatives, or employees of the COUNTY. The CONSULTANT will be an independent Contractor over the details and means for performing the Services under this Contract. Anything

in this Contract which may appear to give the COUNTY the right to direct the CONSULTANT as to the details of the performance of the Services under this Contract or to exercise a measure of control over the CONSULTANT is solely for purposes of compliance with local, state and federal regulations and means that the CONSULTANT will follow the desires of the COUNTY only as to the intended results of the scope of this Contract.

b. It is further expressly agreed and understood by CONSULTANT that neither it nor its employees or agents are entitled to any benefits which normally accrue to employees of the COUNTY; that CONSULTANT has been retained by the COUNTY to perform the Services specified herein (not hired) and that the remuneration specified herein is considered fees for the Services performed (not wages) and that invoices submitted to the COUNTY by CONSULTANT for the Services performed shall be on the CONSULTANT's letterhead.

4. REPORTS.

CONSULTANT shall prepare and submit quarterly reports of its activities, funded under this Contract, to the originating department and the Contract Administration Department of the COUNTY. The reports shall include an itemization of the use of COUNTY's funds, inclusive of specific Services delivered. Any such reports provided to the COUNTY shall be prepared with the understanding that the COUNTY may make such reports available to the public. The quarterly reports and all books of account and financial records that are specific to the work performed in accordance with this Contract may be subject to audit by the Director of the Division of Administration and Finance of the COUNTY. The COUNTY shall have the right to withhold future disbursement of funds under this Contract and any future Contracts until this provision has been met.

5. TERMINATION OR ABANDONMENT

a. It shall be cause for the immediate termination of this Contract if, after its execution, the COUNTY determines that:

i) Either the CONSULTANT or any of its principals, partners or corporate officers, if a corporation, including the corporation itself, has plead nolo contendere, or has plead or been found guilty of a criminal violation, whether state or federal, involving, but not limited to, governmental sales or purchases, including but not limited to the rigging of bids, price fixing, or any other collusive and illegal activity pertaining to bidding and governmental contracting; or

ii) CONSULTANT subcontracted, assigned, delegated, transferred its rights, obligations or interests under this Contract without the COUNTY'S consent or approval; or

iii) CONSULTANT has filed bankruptcy, become insolvent or made an assignment for the benefit of creditors, or a receiver, or similar officer has been appointed to

take charge of all or part of CONSULTANT assets.

b. The COUNTY may terminate the Contract upon five (5) days written notice by the COUNTY or its authorized agent to the CONSULTANT for CONSULTANT's failure to provide the Services specified under this Contract.

c. This Contract may be terminated by either party by giving thirty (30) days written notice to the other, before the effective date of termination (the "Termination Date"). In the event of such termination, the CONSULTANT shall be paid for all Services rendered prior to the Termination Date, provided the CONSULTANT shall have delivered to COUNTY such statements, accounts, reports and other materials as required under this Contract; however, CONSULTANT shall not be compensated for any anticipatory profits that have not been earned as of the date of the Termination Date. All Services completed by CONSULTANT prior to the Termination Date shall be documented and tangible work documents shall be transferred to and become the sole property of the COUNTY prior to payment for the Services rendered.

d. Notwithstanding the above or any section herein to the contrary, CONSULTANT shall not be relieved of liability to the COUNTY for damages sustained by the COUNTY by virtue of any breach of the Contract by CONSULTANT and the COUNTY may withhold any payments to CONSULTANT for the purpose of setoff until such time as the exact amount of damages due the COUNTY from CONSULTANT is determined.

e. The COUNTY has the option to cancel the Agreement and/or any Renewals if the County is put on notice of legal problems with CONSULTANT or any of its principals, partners, corporate officers, or agents, involving allegations of dishonesty, improper business conduct, or criminal activity. Cancellation under this provision shall be immediate and effective upon notice. The COUNTY reserves the right to exercise this provision at its discretion and any decision rendered by the COUNTY under this provision constitutes a final determination of the matter the public welfare requiring it.

6. <u>COMPENSATION FOR CORRECTIONS</u>

No compensation shall be due or payable to CONSULTANT pursuant to this Contract for any CONSULTANT's Services performed by the CONSULTANT in connection with effecting of corrections to the design of the Services, when such corrections are required as a direct result of negligence by the CONSULTANT to properly fulfill any of his obligations as set forth in this Contract.

7. <u>SUBCONTRACTING, ASSIGNMENT OR TRANSFER</u>

a. Any subcontracting, assignment, delegation or transfer of all or part of the rights, responsibilities, or interest of either party to this Contract is prohibited unless by written consent of the other party. No subcontracting, assignment, delegation or

transfer shall relieve the CONSULTANT from performance of the Services under this Contract. The COUNTY shall not be responsible for the fulfillment of the CONSULTANT's obligations to its transferors or subcontractors.

b. Upon the request of the other party, the subcontracting, assigning, delegating or transferring party shall provide all documents evidencing the subcontract, assignment, delegation or transfer.

8. CONFLICT OF INTEREST

The CONSULTANT covenants that it has no public or private interest, and will not acquire directly or indirectly any interest which would conflict in any manner with the performance of the Services. The CONSULTANT warrants that no part of the total Contract Fee shall be paid directly or indirectly to any officer or employee of the COUNTY as wages, compensation, or gifts in exchange for acting as officer, agent, employee, subcontractor or consultant to the CONSULTANT in connection with any work contemplated or performed relative to this Contract.

9. CONTINGENT FEES

The CONSULTANT warrants that it has not employed or retained any company or person other than a bona fide employee working solely for the CONSULTANT, to solicit or secure this Contract, and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the CONSULTANT any fee, commission, percentage, brokerage fee, gift, or any other consideration contingent upon or resulting from the award or making of this Contract. For breach or violation of this warranty, the COUNTY will have the right to recover the full amount of such fee, commission, percentage, brokerage fee, gift, or other consideration.

10. EMPLOYMENT OF COUNTY WORKERS

The CONSULTANT will not engage, on a full, part-time, or any other basis during the Term of the Contract, any professional or technical personnel who are or have been at any time during the Term of the Contract in the employ of the COUNTY.

11. ACCESS TO RECORDS

During all phases of the work and Services to be provided hereunder, CONSULTANT agrees to permit duly authorized agents and employees of the COUNTY to enter CONSULTANT's offices for the purpose of inspections, reviews and audits during normal working hours. Reviews may also be accomplished at meetings that are arranged at mutually agreeable times and places. The CONSULTANT will maintain all books, documents, papers, accounting records, and other evidence pertaining to the Fee paid under this Contract and make such materials available at their offices at all reasonable times during the Term of this Contract and for three (3) years from the date of payment under this Contract for inspection by the

COUNTY or by any other governmental entity or agency participating in the funding of this Contract, or any authorized agents thereof. Copies of said records shall be furnished to the COUNTY upon request.

12. RESPONSIBILITIES FOR CLAIMS AND LIABILITIES

The CONSULTANT, agrees to the fullest extent permitted by law, to indemnify and hold harmless the County, its elected officials, officers, agents and employees, assigns and instrumentalities from damages and losses - including but not limited to Title VII and 42 USC 1983 prohibited acts-arising from the negligent acts, errors or omissions of the Consultant or its subcontractors, employees or assigns in the performance of professional services under this Agreement, to the extent that the Consultant is responsible for such damages and losses on a contributory basis of fault and responsibility between the Consultant the County. The Consultant is not obligated to indemnify the county for the County's own negligence. This indemnification shall survive the termination or conclusion of this Agreement.

13. GENERAL COMPLIANCE WITH LAWS

a. The CONSULTANT certifies that it is qualified or will take steps necessary to qualify to do business in the State of Tennessee and that it will take such action as, from time to time, may be necessary to remain so qualified and it shall obtain, at its expense all licenses, permits, insurance, and governmental approvals, if any, necessary to the performance of the Services under this Contract.

b. The CONSULTANT is assumed to be familiar with and agrees that at all times it will observe and comply with all federal, state, and local laws, ordinances, and regulations in any manner affecting the performance of the Services. The preceding shall include, but is not limited to, compliance with all Equal Employment Opportunity laws, the Fair Labor Standards Act, Occupational Safety and Health Administration (OSHA) requirements, and the Americans with Disabilities Act (ADA).

c. This Contract will be interpreted in accordance with the laws of the State of Tennessee. By execution of this Contract, the CONSULTANT agrees that all actions, whether sounding in contract or in tort, relating to the validity, construction, interpretation and enforcement of this Contract will be instituted and litigated in the courts of the State of Tennessee, located in Shelby County, Tennessee, and in no other. In accordance herewith, the parties to this Contract submit to the jurisdiction of the courts of the State of Tennessee located in Shelby County, Tennessee.

14. NON-DISCRIMINATION

The CONSULTANT hereby agrees, warrants, and assures compliance with the provisions of Title VI and VII of the Civil Rights Act of 1964 and all other federal statutory laws which provide in whole or in part that no person shall be excluded from participation or be denied benefits of or be otherwise subjected to discrimination in the performance of this Contract or in the employment practices of the CONSULTANT on the grounds of handicap and/or disability, age, race, color, religion, sex, national origin, or any other classification protected by federal, Tennessee State Constitutional or statutory law. The CONSULTANT shall upon request show proof of such non-discrimination and shall post in conspicuous places available to all employees and applicants notices of non-discrimination.

15. ENTIRE AGREEMENT

This Contract represents the entire and integrated agreement between the parties and supersedes all prior negotiations, representations or agreements, whether oral or written.

16. AMENDMENT

This Contract may be modified or amended only by written instrument signed by both parties.

17. SEVERABILITY

If any provision of this Contract is held to be unlawful, invalid or unenforceable under any present or future laws, such provision shall be fully severable; and this Contract shall then be construed and enforced as if such unlawful, invalid or unenforceable provision had not been a part hereof. The remaining provisions of this Contract shall remain in full force and effect and shall not be affected by such unlawful, invalid or unenforceable provision or by its severance here from. Furthermore, in lieu of such unlawful, invalid, or unenforceable provision, there shall be added automatically as a part of this Contract a legal, valid and enforceable provision as similar in terms to such unlawful, invalid or unenforceable provision as possible.

18. NO WAIVER OF CONTRACTUAL RIGHT

No waiver of any term, condition, default, or breach of this Contract, or of any document executed pursuant hereto, shall be effective unless in writing and executed by the party making such waiver; and no such waiver shall operate as a waiver of either (a) such term, condition, default, or breach on any other occasion or (b) any other term, condition, default, or breach of this Contract or of such document. No delay or failure to enforce any provision in this Contract or in any document executed pursuant hereto shall operate as a waiver of such provision or any other provision herein or in any document related hereto. The enforcement by any party of any right or remedy it may have under this Contract or applicable law shall not be deemed an election of remedies or otherwise prevent such party from enforcement of one or more other remedies at any time.

19. MATTERS TO BE DISREGARDED

The titles of the several sections, subsections, and paragraphs set forth in this contract are inserted for convenience of reference only and shall be disregarded in construing or interpreting any of the provisions of this Contract.

20. SUBJECT TO FUNDING

This Contract is subject to annual appropriations of funds by the Shelby County Government. In the event sufficient funds for this Contract are not appropriated by Shelby County Government for any of its fiscal period during the Term hereof, then this Contract will be terminated. In the event of such termination, the CONSULTANT shall be entitled to receive just and equitable compensation for any satisfactory work performed as of the Termination Date.

21. TRAVEL EXPENSES

All travel expenses payable under this Contract shall be approved in advance in a purchase order issued by the COUNTY and shall be in accordance with the COUNTY'S Travel Policy then in effect. All receipts documenting such expenses shall be submitted with the invoice for payment.

22. NON-LIABILITY FOR CONSULTANT EMPLOYEE TAXES

Neither CONSULTANT nor its personnel are COUNTY'S employees, and COUNTY shall not take any action or provide CONSULTANT's personnel with any benefits and shall have no liability for the following:

a. COUNTY will not withhold FICA (Social Security) from CONSULTANT's payments;

b. COUNTY will not make state or federal unemployment insurance contributions on behalf of CONSULTANT or its personnel;

c. COUNTY will not withhold state and federal income tax from payment to CONSULTANT;

d. COUNTY will not make disability insurance contributions on behalf of CONSULTANT;

e. COUNTY will not obtain workers' compensation insurance on behalf of CONSULTANT or CONSULTANT's personnel.

23. INCORPORATION OF OTHER DOCUMENTS

a. CONSULTANT shall provide Services pursuant to this Contract in accordance with the terms and conditions set forth within the Shelby County Request for Proposals/Bids as well as the Response of CONSULTANT thereto, all of which are maintained on file within the Shelby County Purchasing Department and incorporated herein by reference.

b. It is understood and agreed between the parties that in the event of a variance between the terms and conditions of this Contract and any amendment thereto and the terms and conditions contained either within the Request for Proposals/Bids or the Response thereto, the terms and conditions of this Contract as well as any amendment shall take precedence and control the relationship and understanding of the parties.

24. CONTRACTING WITH LOCALLY OWNED SMALL BUSINESSES

The CONSULTANT shall take affirmative action to assure that Locally Owned Small Businesses that have been certified by the COUNTY are utilized when possible as sources of supplies and equipment, construction and services.

25. RIGHT TO REQUEST REMOVAL OF CONSULTANT's EMPLOYEES

The COUNTY may interview the personnel CONSULTANT assigns to COUNTY'S work. CONSULTANT shall have the right, at any time, to request removal of any employee(s) of CONSULTANT, whom COUNTY deems to be unsatisfactory for any reason. Upon such request, CONSULTANT shall use all reasonable efforts to promptly replace such employee(s) with substitute employee(s) having appropriate skills and training.

26. INCORPORATION OF WHEREAS CLAUSES

The foregoing whereas clauses are hereby incorporated into this Contract and made a part hereof.

27. DISCLOSURE OF REPORTS, DATA OR OTHER INFORMATION

Notwithstanding anything to the contrary contained herein or within any other document supplied to COUNTY by CONSULTANT, CONSULTANT understands and acknowledges that COUNTY is a governmental entity subject to the laws of the State of Tennessee and that any reports, data or other information supplied to COUNTY by CONSULTANT due to Services performed pursuant to this Contract is subject to being divulged as a public record in accordance with the laws of the State of Tennessee.

28. ORGANIZATION STATUS AND AUTHORITY

a. CONSULTANT represents and warrants that it is a corporation, limited liability company, partnership, or other entity duly organized, validly existing and in good

standing under the laws of the state of Tennessee; it has the power and authority to own its properties and assets and is duly qualified to carry on its business in every jurisdiction wherein such qualification is necessary.

b. The execution, delivery and performance of this Contract by the CONSULTANT has been duly authorized by all requisite action and will not violate any provision of law, any order of any court or other agency of government, the organizational documents of CONSULTANT, any provision of any indenture, agreement or other instrument to which CONSULTANT is a party, or by which CONSULTANT's respective properties or assets are bound, or be in conflict with, result in a breach of, or constitute (with due notice or lapse of time or both) a default under any such indenture, agreement or other instrument, or result in the creation or imposition of any lien , charge or encumbrance of any nature whatsoever upon any of the properties or assets.

29. INSURANCE REQUIREMENTS

a. The CONSULTANT shall purchase and maintain, in a company or companies licensed to do business in the State of Tennessee, such insurance as will protect the County from claims which may arise out of or result from the CONSULTANT's operations under the Contract, whether such operations are performed by himself or by any subcontractors or by anyone directly or indirectly employed by any of them, or by anyone for whose acts the CONSULTANT or subcontractor may be liable.

b. The insurance required shall be written for not less than any limits of liability specified or required by law, whichever is greater. The CONSULTANT will maintain throughout the life of this Contract insurance, through insurers rated A- or better by A.M. Best, in the following minimum requirements:

i) Errors and Omissions Liability coverage with limits of $1,000,000.00 per occurrence/$2,000,000.00 annual aggregate for this contract.

ii) Commercial General Liability coverage with minimum limits of $1,000,000.00 per occurrence/$2,000,000.00 annual aggregate premises/operations coverage, $2,000,000.00 annual aggregate products/completed operations. Shelby County Government, its elected officials, appointees and employees will be named as additional insured.

iii) Workers Compensation coverage, including coverage for sole proprietors, partners, and officers, regardless of requirement by Tennessee State Statute.

iv) Commercial Auto Liability with minimum limit of $1,000,000.00 for all owned, hired and non-owned autos.

c. CONSULTANT shall provide County with a current copy of the Certificate of Insurance at the time of contracting and shall maintain said insurance during the entire

Contract period as well as provide renewal copies on each anniversary date. The certificate holder is to read:

Shelby County Government
Purchasing Department
160 N. Main, Suite 550
Memphis, TN 38103

d. Upon termination or cancellation of insurance currently in effect under this Contract, the CONSULTANT shall purchase an extended reporting endorsement and furnish evidence of same to the County.

30. NOTICE

Any notices required or permitted to be given under the provisions of this Contract shall be effective only if in writing and delivered either in person to the COUNTY'S authorized agent or by First Class or U.S. Mail to the addresses set forth below, or to such other person or address as either party may designate in writing and deliver as herein provided:

COUNTY: Shelby County Engineering Department
Attn.: Michael E. Oakes, P.E., County Engineer
160 N. Main Street, Suite 350
Memphis, Tennessee 38103

and

Shelby County Government
Contract Administration
160 N. Main St., Suite 550
Memphis, Tennessee 38103

VENDOR: AFRAM CORPORATION
Attn: Solomon Akinduro, P.E.
119 S. Main Street, Suite 500
Memphis, TN 38103
Phone # (901) 543-1116
Fax # (901) 543-8799

31. OWNERSHIP OF DOCUMENTS AND OTHER PROPRIETARY INTERESTS

a. The CONSULTANT agrees that COUNTY will own exclusively all right, title and interest in and to materials and information created or supplied by CONSULTANT for the performance of the Services under this Contract and for which Fees have been received by CONSULTANT ("Work Product") whether or not the same is accepted or rejected by COUNTY. The Work Product shall remain the property of the COUNTY and

shall not be used or published by the CONSULTANT or any other party without the express prior consent of COUNTY. Work Product will be deemed a "work made for hire" as that term is used in the Copyright Act. In implementing the foregoing, the CONSULTANT hereby grants and assigns to COUNTY all rights and claims of whatever nature and whether now or hereafter arising in and to any and all of such Work Product and shall cooperate fully with COUNTY in any steps COUNTY may take to obtain copyrights, trademark or like protections with respect thereto. The signing of this CONTRACT shall constitute a complete transfer of ownership, intellectual property and copyright of all documents from CONSULTANT to COUNTY upon completion of the Work Product. The CONSULTANT shall not construe such transfer as a grant for usage nor can the CONSULTANT revoke it.

b. All information owned, possessed or used by CONSULTANT which is communicated to, learned, developed or otherwise acquired by the CONSULTANT in the performance of the Services for COUNTY, which is not generally known to the public, shall be confidential and CONSULTANT shall not, beginning on the date of first association or communication between COUNTY and CONSULTANT and continuing through the term of this Contract and any time thereafter, disclose, communicate or divulge, or permit disclosure, communication or divulgence, to another or use for CONSULTANT's own benefit or the benefit of another, any such confidential information unless required by law. Except when defined as part of the Services, CONSULTANT shall not make any press releases, public statement, or advertisement referring to the Work Product or the engagement of CONSULTANT as an independent contractor of COUNTY in connection with the Work Product, or release any information relative to the Work Product for publications, advertisement or any other purpose without the prior written approval of COUNTY.

c. The CONSULTANT shall obtain assurances similar to those contained in this subsection from persons, contractors and subcontractors retained by the CONSULTANT. CONSULTANT acknowledges and agrees that a breach by CONSULTANT of the provisions of this section will cause COUNTY irreparable injury and damage. CONSULTANT, therefore, expressly agrees that COUNTY shall be entitled to injunctive or other equitable relief in any court of competent jurisdiction to prevent or otherwise restrain a breach of this Contract.

32. <u>LIVING WAGE ORDINANCE</u>

In accordance with Ordinance Number 328, commonly referred to as the Living Wage Ordinance, all persons/entities engaged in service contracts with the County, including but not limited to both prime and subcontractors, shall pay a Living Wage to employees for all work performed on said service contract, as defined in the Living Wage Ordinance. Proof of such compensation must be evidenced as required in the Living Wage Ordinance.

IN WITNESS WHEREOF, the parties hereto have set their signatures for the purposes contained herein, on the day and date first above written.

APPROVED:

SHELBY COUNTY GOVERNMENT

Contract Administrator/
Assistant County Attorney

A C Wharton, Jr., Mayor

AFRAM CORPORATION

BY: _____

TITLE: PRESIDENT

CORPORATE ACKNOWLEDGMENT

STATE OF TENNESSEE
COUNTY OF SHELBY

Before me, the undersigned Notary Public, in and for the State and County aforesaid, personally appeared SOLOMON AKINBORO, with whom I am personally acquainted or proved to me on the basis of satisfactory evidence, and who, upon oath, acknowledged himself/herself to be president or other officer authorized by appropriate Corporate action and/or Resolution to execute the preceding instrument of the AFRAM CORP, the within named bargain or, a corporation, and that he as such PRES/CEO, executed the foregoing instrument for the purpose therein contained, by signing the name of the corporation by himself/herself as PRES/CEO.

WITNESS my hand and official seal at office this 19th day of FEBRUARY 2009

Notary Public

My Commission Expires: _____

ALBERT S. FLOWERS, JR.
STATE OF TENNESSEE NOTARY PUBLIC
SHELBY COUNTY

My Comm. Exp. 10-24-2012

EXHIBIT A

AFRAM CORPORATION
ENGINEERING · CONSTRUCTION MANAGEMENT
119 SOUTH MAIN ST, SUITE 500
MEMPHIS, TENNESSEE 38103
PH (901) 543-1116 FAX (901) 543-8799
www.aframcorp.com

January 23, 2009

Mr. Michael Oakes
Shelby County Government
160 N. Main Street, Ste. 350
Memphis, TN 38103

Re: Professional Engineering Design Services for the Ward Rd. Bridge Replacement over Big Creek

Dear Mr. Oakes:

AFRAM Corporation ("AFRAM" or "the Consultant") is pleased to submit this scope of services (the "Scope") to Shelby County Government ("the Client") for providing civil engineering services for the design of a new, wider, concrete bridge with a 6-foot bicycle path to span over Big Creek to replace the existing bridge currently in place. Our project understanding, scope of services, schedule, and fee are below.

Project Understanding

The Client desires to construct a new concrete bridge over Big Creek that will have a widened bridge deck to accommodate two 12 foot lanes for traffic, two 4 foot shoulders and a 6 foot dual bicycle path on one side for a total deck width of 38 feet. The bridge will either be a pre-stressed or poured in place concrete bridge. The design will adhere to the new FHA standards, March 2006 TDOT standards for Roads and Bridges, the current AASHTO standards for Geometric Design for Roads and Bridges and LRFD bridge design. The project will include the following:

Scope of Services

1. Determine the required bridge opening for the 100 year flood event using the available FEMA/USGS information
2. Develop a Full upstream analysis for future 100 yr event flood elevation. This will be priced as a separate line item on AFRAM fee proposal.
3. Include allowance of $1,500 as a separate line item for Permit fee.
4. Provide all necessary drawings required for the Permits.
5. Coordinate Survey and Geotechnical field work.
6. Review Survey and Geotechnical information.
7. Meet with Shelby County to review and discuss items 1-3.
8. Develop Preliminary Hydraulic Report
9. Perform Scouring Analysis of stream bottom and side slopes.
10. Develop Preliminary Bridge and Road plans.
11. Design complete bridge opening including channel improvements required.
12. Design shall meet all seismic design requirements for Tennessee.
13. Develop a demolition plan of the existing bridge.
14. Develop a Pre-design construction estimate.
15. Meet with Shelby County to review and discuss items 5-8.

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16. Prepare ARAP Submittal (404, NOI, SWPP)
17. Prepare R.O.W. plans.
18. Shelby County to forward the plans to the local utility companies.
19. Prepare Closure Traffic Plan.
20. Prepare and submit Construction Documents including design calculations.
21. Meet with Shelby County to review and discuss items 10-14.
22. Design deliverable shall be at 30%, 90%, and 100% stages of the design.
23. Shelby County will have 3-5 days to review drawings submitted at each stage as stated in line 22.
24. Incorporate Shelby County's comments into Final Construction Documents (Success in meeting these goals with the time constraints of 120 days is predicated upon the client granting the consultant preliminary approval to start the surveying, Geotechnical Investigations, and the Hydrology investigations before the final contract documents have been signed and approved)
25. Final deliverables shall include a complete set of plans on Mylar with one electronic copy on CD.
26. Attend Pre-bid meeting.
27. Respond to bidders questions.
28. Assist Shelby County in issuing addendums to the bidding contractors during the pre-bid process (if necessary), as well as, assisting in issuing change orders to the awarded contractor during the construction process (if necessary).
29. Shop drawing review.
30. Four (4) construction site visits as required.
31. Contractor to provide Record Drawings to the County.

Additional Services

Any services not specifically provided for in the above scope will be considered additional services and can be performed at our then current hourly rates. Additional services we can provide include, but are not limited to, the following:

- Construction engineering and inspection
- Roadway design beyond the project limits as defined in the agreement.
- Plats and legal descriptions of properties.

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ENGINEERING · CONSTRUCTION MANAGEMENT
119 SOUTH MAIN ST, SUITE 500
MEMPHIS, TENNESSEE 38103
PH (901) 543-1116 FAX (901) 543-8799
www.aframcorp.com

Schedule

We will provide our services as expeditiously as practicable within the 120 days for design upon the Notice To Proceed (NTP) not including Survey and Geotechnical Investigation. Unless Shelby County can give us the go ahead for the Survey and Geotechnical work to begin prior to the NTP, it might be difficult to meet 120 day schedule.

We appreciate the opportunity to provide these services to you. Please contact me if you have any questions.

Very truly yours,
AFRAM Corporation

Kermit Clinton

Kermit Clinton, P.E.
Project Coordinator

kc/

AFRAM CORPORATION
• Program/Construction Management
• Cost Estimating/CPM Scheduling
• Engineering Design Services

December 15, 2008

Mr. Michael Oaks
County Engineer
Shelby County Government
160 Main Street, Suite 350
Memphis, TN 38103

Re: Professional Engineering Design Services
Ward Road Bridge Replacement over Big Creek

Dear Mr. Oaks:

Enclosed is our revised estimate for the design of the Ward Road Bridge project for your review and approval. We have also revised the construction cost estimate for the Bridge Replacement based on the previous bridges we have designed for the County and feedback received from your Engineering Department.

If you have any question, please give us a call at (901) 543-1116. Thank you for your consideration,

Respectfully,
AFRAM Corporation

Victor Alao, P.E.

VFA/DSA

Enclosure
Project File.

TEL: 901-543-1116 FAX: 901-543-8799 WEB: www.aframcorp.com
119 South Main Street, Suite 500 • Memphis, Tennessee 38103 • U.S.A.

AFRAM CORPORATION
FEE PROPOSAL

WARD ROAD BRIDGE DESIGN

1	Direct Labor			=	$21,185.00
2	Overhead (Rate: 1.72 x 1)			=	$36,438.20
3	Subtotal 1 + 2			=	$57,623.20
4	Net Fee (Rounded to nearest $ 10)	12%		=	$6,910.00
5	Subtotal 3 + 4			=	$64,533.20
6	Direct Expense (Itemize and attach)			=	$40,515.00
8	Total 5 + 6 + 7			=	$105,048.20
			TOTAL PROJECT	=	$105,048.20
			TOTAL PROJECT (ROUNDED)	**=**	**$105,000.00**

OTHER LINE ITEMS REQUESTED NOT INCLUDED IN THE FEE:

1. NEPA: Full Upstream analysis for future 100 yr. event flood elevations $37,530.00

Note: Project to be completed 120 calendar days from Notice to Proceed date.

AFRAM CORPORATION
DIRECT EXPENSES

WARD ROAD BRIDGE DESIGN

TRAVEL-MILEAGE	1	LS	$800.00	$800.00
81/2" x 11" IN HOUSE PRINTS	600	EA	$0.15	$90.00
IN HOUSE 11" X 17" PLOTS	100	EA	$1.75	$175.00
FULL SIZE IN HOUSE BOND PRINTS	400	SF	$2.50	$1,000.00
(1Set) MYLAR PLOTS	1	LS	$250.00	$250.00
(1-CD) ELECTRONIC DATA	1	LS	$50.00	$50.00
EXPRESS MAIL			$25.00	$0.00
Total General Expenses				$2,365.00
Permit and Application Fee				$1,500.00
Surveying fee				$8,650.00
Subsurface Investigation fee				$28,000.00
DIRECT EXPENSE TOTAL				**$40,515.00**

PROJECT: WARD ROAD BRIDGE DESIGN
CLIENT: SHELBY COUNTY
DATE: DECEMBER 15, 2008

ACTIVITIES	PROJECT PRINCIPAL	QA/QC ENGINEER	P.M	SR STRUCT. ENGR	STRUCT. ENGINEER	SR. CIVIL ENGINEER	CIVIL ENGINEER	ENVIRON. ENGR.	CADD TECH.	ADMIN. SUPPORT STAFF	TOTAL
SCOPE OF PROJECT											
PROJECT MANAGEMENT											
Monthly Project Meetings											0.00
Coordination and Review Meeting with Shelby County (3)	6.00		6.00	6.00		2.00					20.00
DEVELOP ENGINEERING CONSTRUCTION PS&E											
Draft Preliminary Construction Plans (30% Submittal)											0.00
Data Collection											
Coordinate Survey and Geotechnical information			2.00								2.00
Obtain Survey information data from sub consultant						2.00	2.00				4.00
Obtain Geotechnical information from sub consultant				2.00							2.00
Review Survey and Geotechnical Information			2.00	2.00							4.00
Hydraulic Report											0.00
Develop Preliminary Hydraulic Betterment Report								24.00	4.00	6.00	34.00
Perform Scouring Analysis of Stream bottom and Side Slopes								28.00			28.00
Base Map Preparation											0.00
Acquire/Prepare standard border layout sheet					2.00		2.00		4.00		8.00
Develop Preliminary Bridge Layout plan				4.00	6.00				6.00		16.00
Develop Preliminary Approach Road way layout Plan						2.00	4.00		4.00		10.00
Selection of Seismic Design Category				4.00							4.00
Internal QA/QC Review		4.00									4.00
Transmit Submittal to Shelby County for Review and Approval of Design			2.00							2.00	4.00
Preliminary Construction Plans (60% Submittal)											0.00
Revise Draft Preliminary Plans based on review comments										0.00	0.00
Develop demolition plan for existing bridge			2.00	2.00	4.00				6.00		16.00
MathCAD computation for Bridge Superstructure				2.00	4.00						6.00
Foundation Analysis, Girder, T- Beam analysis				2.00	10.00						12.00
Bridge Abutment Design/Layout				2.00	4.00				8.00		14.00
Bridge layout plan/Details				2.00	4.00				8.00		14.00
Approach Roadway plan and profile						2.00	4.00		8.00		14.00
Approach Roadway typical section development						2.00	4.00		8.00		14.00
Prepare Closure Traffic detour plan						2.00	4.00		8.00		14.00
R.OW. Plan						2.00	4.00		8.00		14.00
Prepare 404, NOI and SWPP Plan								8.00			8.00
Compute Bridge and Roadway quantities					4.00		4.00				
Cost Estimate			8.00								8.00
Specification Outline			10.00							10.00	20.00
Internal QA/QC Review		24.00									24.00
Prepare/Submit draft plans to Shelby County for Approval			2.00								2.00
Preliminary Construction Plans (90% Submittal)											
Revise Draft Construction Plans based on review comments			2.00								2.00
Update demolition plan for existing bridge				2.00	4.00				6.00		12.00
Update MathCAD computation for Bridge Superstructure				2.00	4.00						6.00
Update Foundation Analysis, Girder, T- Beam analysis				2.00	4.00						6.00
Update Bridge Abutment Design/layout				2.00	4.00						6.00
Update Bridge layout plan/details				2.00	4.00				4.00		10.00
Update Approach Roadway plan and profile						4.00	2.00		4.00		10.00
Update Approach Roadway typical section development						4.00			4.00		8.00

PROJECT: WARD ROAD BRIDGE DESIGN
CLIENT: SHELBY COUNTY
DATE: DECEMBER 15, 2008

ACTIVITIES	PROJECT PRINCIPAL	QA/QC ENGINEER	P.M	SR STRUCT. ENGR	STRUCT. ENGINEER	SR. CIVIL ENGINEER	CIVIL ENGINEER	ENVIRON. ENGR.	CADD TECH.	ADMIN. SUPPORT STAFF	TOTAL
Update Closure Traffic detour plan							2.00		4.00		6.00
Update R.OW. Plan						4.00			4.00		8.00
Update SWPP Plan								16.00			16.00
Update Computed Bridge and Roadway quantities			4.00		2.00		2.00				
Update Cost Estimate			4.00								4.00
Prepare detail Project Specification			20.00							20.00	40.00
Internal QA/QC Review		20.00									
Prepare/Submit draft plans to Shelby County for Approval			4.00							4.00	8.00
Final Construction Plans (100% Submittal)											
Incorporate review comments into Final Construction Documents comments											0.00
Finalize demolition plan for existing bridge									2.00		2.00
Finalize Bridge Abutment Layout				4.00	4.00				2.00		10.00
Finalize Bridge layout/details(foundation, Girder, T-Beam, Diaphragms, Slab etc)				4.00	4.00				2.00		10.00
Finalize Approach Roadway plan and profile						1.00	2.00		2.00		5.00
Finalize Approach Roadway typical section development					4.00	1.00	2.00		2.00		9.00
Pavement Stripping Plan						1.00	2.00		1.00		4.00
Finalize Closure Traffic detour plan						1.00	2.00		2.00		5.00
Finalize SWPP Plan								4.00			4.00
Finalize Engineer's probable Estimated Cost			2.00								2.00
Finalize and seal Project Specification			2.00							4.00	6.00
Finalize Design Calculation.				4.00	4.00	2.00	4.00	4.00			
Final Internal QA/QC		4.00									
Prepare/Submit signed seal Documents/Calculation to Shelby County			2.00								2.00
CONSTRUCTION PHASE SERVICES											
Attend pre-bid meeting				2.00							2.00
Respond to Bidder Question				2.00						4.00	6.00
Issue Addendum (If necessary)									2.00		2.00
Shop Drawing Review				4.00		2.00					6.00
Respond to RFI (60)				4.00		6.00	4.00				14.00
Periodical Site Visits (4)				8.00						6.00	14.00
TOTAL PERSON-HOURS	6.00	52.00	74.00	70.00	76.00	40.00	50.00	84.00	115.00	56.00	623.00
PERSON-HOUR LABOR RATES	60.00	52.50	45.00	45.00	30.00	42.50	28.00	25.00	25.00	22.50	
LABOR COSTS	360.00	2730.00	3330.00	3150.00	2280.00	1700.00	1400.00	2100.00	2875.00	1260.00	21185.00