

EXHIBIT C

PROPOSAL OF ENGINEERING SERVICES

AND RELATED MATTERS

Professional

Engineering

Services

**Professional
Engineering
Services for**

**Category 4 -
Pipeline,
Manhole, Inlet
Projects**

RFP# 33-2012

Statement of Qualifications for

**Lexington-Fayette Urban
County Government**

November 13, 2012



SA
STRAND
ASSOCIATES®

Firm Submitting Proposal: Strand Associates, Inc.[®]

Complete Address: 1525 Bull Lea Rd., Suite 100, Lexington, KY 40511
Street City Zip

Contact Name: Michael L. Davis, P.E. Title: Senior Associate

Telephone Number: 859-225-8500 Fax Number: 859-225-8501

Email address: mike.davis@strand.com

AFFIDAVIT

Comes the Affiant, Roddy Williams, Ph.D., P.E., and after being first duly sworn, states under penalty of perjury as follows:

1. His/her name is Roddy Williams, Ph.D., P.E. and he/she is the individual submitting the proposal or is the authorized representative of Strand Associates, Inc.[®], the entity submitting the proposal (hereinafter referred to as "Proposer").

2. Proposer will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the proposal is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.

3. Proposer will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.

4. Proposer has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.

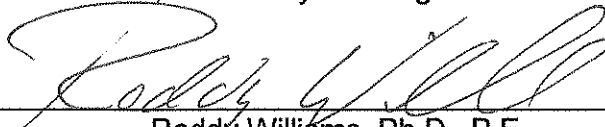
5. Proposer has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Proposer will not violate any provision of the campaign finance laws of the Commonwealth.

6. Proposer has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

continued on next page

7. Proposer acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

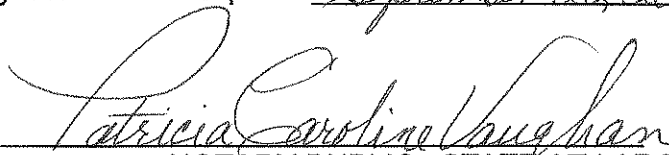


Roddy Williams, Ph.D., P.E.

STATE OF Kentucky
COUNTY OF Fayette

The foregoing instrument was subscribed, sworn to and acknowledged before me by Roddy J. Williams on this the 13 day of November, 2012.

My Commission expires: September 22, 2014



NOTARY PUBLIC, STATE AT LARGE



PATRICIA CAROLINE VAUGHAN
Notary Public-State at Large
Kentucky Notary ID 428546
My Commission Expires:
September 22, 2014

GENERAL PROVISIONS

1. Each Respondent shall comply with all Federal, State & Local regulations concerning this type of service or good.

The Respondent agrees to comply with all statutes, rules, and regulations governing safe and healthful working conditions, including the Occupational Health and Safety Act of 1970, 29 U.S.C. 650 *et. seq.*, as amended, and KRS Chapter 338. The Respondent also agrees to notify the LFUCG in writing immediately upon detection of any unsafe and/or unhealthful working conditions at the job site. The Respondent agrees to indemnify, defend and hold the LFUCG harmless from all penalties, fines or other expenses arising out of the alleged violation of said laws.

2. Failure to submit ALL forms and information required in this RFP may be grounds for disqualification.
3. Addenda: All addenda, if any, shall be considered in making the proposal, and such addenda shall be made a part of this RFP. Before submitting a proposal, it is incumbent upon each proposer to be informed as to whether any addenda have been issued, and the failure to cover in the bid any such addenda may result in disqualification of that proposal.
4. Proposal Reservations: LFUCG reserves the right to reject any or all proposals, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by a Respondent in the preparation of proposals.
6. Changes/Alterations: Respondent may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the proposal, and received by LFUCG prior to the scheduled closing time for receipt of proposals, will be accepted. The proposal, when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of proposal".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from a Respondent.
8. Bribery Clause: By his/her signature on the bid, Respondent certifies that no employee of his/hers, any affiliate or Subcontractor, has bribed or

attempted to bribe an officer or employee of the LFUCG.

9. Additional Information: While not necessary, the Respondent may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the Respondent's response. Additional documentation shall not serve as a substitute for other documentation which is required by this RFP to be submitted with the proposal,
10. Ambiguity, Conflict or other Errors in RFP: If a Respondent discovers any ambiguity, conflict, discrepancy, omission or other error in the RFP, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting this proposal, the Respondent agrees that it has carefully examined the specifications and all provisions relating to the work to be done attached hereto and made part of this proposal. By acceptance of a Contract under this RFP, proposer states that it understands the meaning, intent and requirements of the RFP and agrees to the same. The successful Respondent shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to Respondent shall be authorized for services or expenses reasonably covered under these provisions that the proposer omits from its Proposal.
12. Cancellation: If the services to be performed hereunder by the Respondent are not performed in an acceptable manner to the LFUCG, the LFUCG may cancel this contract for cause by providing written notice to the proposer, giving at least thirty (30) days notice of the proposed cancellation and the reasons for same. During that time period, the proposer may seek to bring the performance of services hereunder to a level that is acceptable to the LFUCG, and the LFUCG may rescind the cancellation if such action is in its best interest.

A. Termination for Cause

- (1) LFUCG may terminate a contract because of the contractor's failure to perform its contractual duties
- (2) If a contractor is determined to be in default, LFUCG shall notify the contractor of the determination in writing, and may include a specified date by which the contractor shall cure the identified deficiencies. LFUCG may proceed with termination if the contractor fails to cure the deficiencies within the specified time.

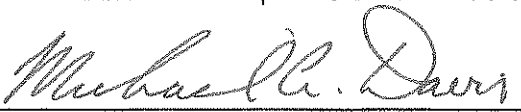
- (3) A default in performance by a contractor for which a contract may be terminated shall include, but shall not necessarily be limited to:
- (a) Failure to perform the contract according to its terms, conditions and specifications;
 - (b) Failure to make delivery within the time specified or according to a delivery schedule fixed by the contract;
 - (c) Late payment or nonpayment of bills for labor, materials, supplies, or equipment furnished in connection with a contract for construction services as evidenced by mechanics' liens filed pursuant to the provisions of KRS Chapter 376, or letters of indebtedness received from creditors by the purchasing agency;
 - (d) Failure to diligently advance the work under a contract for construction services;
 - (e) The filing of a bankruptcy petition by or against the contractor; or
 - (f) Actions that endanger the health, safety or welfare of the LFUCG or its citizens.

B. At Will Termination

Notwithstanding the above provisions, the LFUCG may terminate this contract at will in accordance with the law upon providing thirty (30) days written notice of that intent, Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. Assignment of Contract: The contractor shall not assign or subcontract any portion of the Contract without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. No Waiver: No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this Contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.

15. Authority to do Business: The Respondent must be a duly organized and authorized to do business under the laws of Kentucky. Respondent must be in good standing and have full legal capacity to provide the services specified under this Contract. The Respondent must have all necessary right and lawful authority to enter into this Contract for the full term hereof and that proper corporate or other action has been duly taken authorizing the Respondent to enter into this Contract. The Respondent will provide LFUCG with a copy of a corporate resolution authorizing this action and a letter from an attorney confirming that the proposer is authorized to do business in the State of Kentucky if requested. All proposals must be signed by a duly authorized officer, agent or employee of the Respondent.
16. Governing Law: This Contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this Contract, the Parties agree that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division. All parties expressly consent to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to this Contract or any rights or obligations arising thereunder. Service of process may be accomplished by following the procedures prescribed by law.
17. Ability to Meet Obligations: Respondent affirmatively states that there are no actions, suits or proceedings of any kind pending against Respondent or, to the knowledge of the Respondent, threatened against the Respondent before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of Respondent to perform its obligations under this Contract, or which question the legality, validity or enforceability hereof or thereof.
18. Contractor understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Contractor is an independent contractor at all times during the performance of the services specified.
19. If any term or provision of this Contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.


Signature

11/12/2012
Date



Lexington-Fayette Urban County Government
DEPARTMENT OF FINANCE & ADMINISTRATION

Jim Gray
Mayor

Jane C. Driskell
Commissioner

ADDENDUM #1

RFP Number: 33-2012

Date: November 6, 2012

Subject: RFO for Professional Engineering Services

Please address inquiries to:
Betty Landrum (859) 258-3320

TO ALL PROSPECTIVE BIDDERS:

Please be advised of the following clarifications to the above referenced RFP:

Questions	Answers
Footnote 2, page 7, paragraph 6, Selection Criteria, implies that private projects completed in accordance with the LFUCG Sanitary Sewer and Pump Station Manual and the LFUCG Stormwater Manual are equal in standing to those public projects completed under specific government contracts. Is that correct?	Each project will be evaluated on its individual merits. The proposer should use his/her discretion in selecting projects relating to the specific category that will best demonstrate the proposer's experience.
Can you provide examples of similar type projects that will be included in Category 4?	Examples of projects in Category 4 would be any type of trenchless pipeline and /or manhole rehabilitation projects, e.g., Cured In Place Pipeline Rehabilitation (CIPP), pipe bursting, sliplining, or manhole rehabilitation with various coatings or injection systems.
Do the one-page resumes for key project team members that are requested in the Project Team section count toward the specified page limit (i.e. are they to be counted in the 6 pages)?	Yes – Resumes should be one page maximum. Proposers should use their discretion in providing the information requested in six pages maximum.
From reviewing the minutes of the meeting, Mr. Martin made the statement encouraging teaming to maximize local participation. Then in answer to the first question he said that only the qualifications of the Prime would be scored. Then in answer to another question he said that relevant projects by subs would count. Since there seems to be some question here related to scoring of prime and not sub, the following question is posed. If a firm had a local office and wanted to be prime, but wanted to subcontract with a smaller local firm for an experienced	Yes -- Scoring of the Project Manager is maximized by project experience and being located locally (locally defined as being within the Bluegrass Area Development District boundaries).

wastewater project manager, would the Prime/Team receive the points for having a local project manager?	
In the meeting minutes the answer to the first question was only the qualifications of the prime would be scored, not the subs. If a small local firm wanted to be the prime and subcontract with a larger firm to supplement their qualifications, would that preclude the small prime from receiving the benefit of having the larger firm as a sub?	No -- The intent of the evaluation process will be to identify and rank the most qualified firm or team of firms.
Does the Division of Water Quality have a list of the 82 projects, and possibly a breakdown of the projects in each category, that are anticipated to be completed with this RFQ?	Yes. See attached list titled RMP Projects. The 82 projects are those listed in the Remedial Measures Plan. There will be other projects awarded under this contract that are not listed.
Could you provide what specific items that you will require responders to submit for an affirmative action plan for the RFP #33-2012? Management in our firm considers some information proprietary, however we want to be responsive and comply with the requirements of the RFP.	Please submit your current affirmative action plan with your response and identify the pages containing proprietary information as confidential and/or proprietary. Any confidential and/or proprietary information contained in your response should be clearly identified in both hard copy and electronic versions.
A question regarding <u>Contract 4 – Pipeline, manhole, inlet, and junction chamber rehabilitation projects</u> . Does the scope of work include providing flow monitoring, smoke testing, and dye testing services?	At present, no. DWQ reserves the right to compose or revise any Scope of Work necessary to meet its needs at any time during the duration of this contract.
It would seem that to accurately compare the mean deviation of hourly rates between firms proposing, that consultants should be expected to use a standard personnel classification system for hourly rates. Does LFUCG intend to issue such a list?	Hourly Rates will no longer be considered in the evaluation process (see attached REVISED scoring sheet; however hourly rates must be submitted for the specific job classifications on the attached form that will be used at time of contract negotiation.
As an office originally founded in Lexington over 40 years ago and subsequently acquired by another out of state firm, it seems unfair that we are only entitled to a score of 3.5 or 4.0 for the "Offices status and location of employees" category. Under this scenario, a recently established prime firm with a local headquarters, small work force, and no prior experience working with LFUCG could be awarded more points than a firm founded in Lexington that has continuously served LFUCG for over 40 years. Can additional consideration be given for length of service and/or longevity of office existence in Fayette County?	No – The proposer will be able to demonstrate and score points in other categories.
Can you release the list of anticipated Remedial Measures Plan projects and their estimated costs of construction?	Yes –see attachment pdf's (G3 RMP Implementation Plan & RMP Project Maps by Sewershed)

<p>How will a firm be ranked if there is a joint venture?</p>	<p>DWQ will require that the Contract be executed with a single consultant. In the case of a team, the prime consultant must be identified and must execute the Contract. Joint Ventures will not be considered due to the contractual requirements.</p>
<p>George Woolwine (HDR) asked Mr. Martin to further define Category 2 and distinguish the work in Category 2 from Category 4. Mr. Martin said that Category 2 is dig and replace while Category 4 is rehabilitation for the purpose of reducing I&I (Inflow and Infiltration) in the collection system. Cole Mitcham (OBG) asked if the hourly rates within 15% were plus or minus, and if there was a prime that teamed how would we establish the mean rate?</p>	<p>Regarding the difference between Category Nos. 2 and 4, see the response to question No. 2 above.</p> <p>Regarding the question on hourly rates, see the response to question No. 9 above.</p>

SPECIAL NOTE TO PROPOSER: Please note that the Selection Criteria (attachment 2 – RFP Scoring Sheet) have been revised – hourly rates have been removed and the points assigned have been changed.



Todd Slatin, Acting Director
Division of Central Purchasing

All other terms and conditions of the RFP and specifications are unchanged. This letter should be signed, attached to and become a part of your RFP.

COMPANY: Strand Associates, Inc.

ADDRESS: 1525 Bull Lea Road, Suite 100, Lexington, KY 4051

SIGNATURE OF PROPOSER: Michael C. Davis

**Hourly Rate Schedule
Remedial Measures Plan and Related Projects**

Job Classification	Hourly Rate
Principal	
Project Manager	
Project Engineer (PE)	
Project Engineer (EIT)	
Engineering Technician / CAD Technician	
Survey Crew	
Clerical	

Statement of Qualifications



Strand Associates, Inc.[®]
1525 Bull Lea Road, Suite 100
Lexington, KY 40511
(P) 859-225-8500
(F) 859-225-8501

November 13, 2012

Mr. Todd Slatin, Acting Purchasing Director
Lexington-Fayette Urban County Government
Room 338, Government Center
200 East Main Street
Lexington, KY 40507

Re: RFP# 33-2012- Request for Qualifications for Professional Engineering Services for
Category 4 - Pipeline, Manhole, Inlet Projects

Dear Mr. Slatin:

Thank you for the opportunity to submit this statement of qualifications for the above referenced project. **Strand's Thorough Understanding of Sanitary Sewer Rehabilitation Delivers Substantial Reduction to I&I Impacts.** This is demonstrated by the following factors:

- **Our Team's Field Experience, Proven Designs and Understanding of Construction Methods Maximize LFUCG's Rehabilitation Effort**
- **Our Clients Resume and References Provide Further Confirmation of Our Rehabilitation Expertise and Ability to Meet Client Needs**
- **Solving Significant I&I Problems for Consent Decree Communities Demonstrates the Applicability of Our Capabilities to the Challenges Facing LFUCG**
- **Our Lexington Office Has Over 40 Years of History Serving LFUCG, Resulting in Significant Local Expertise and Familiarity to Support LFUCG Projects**

The enclosed proposal outlines how these factors will benefit LFUCG and result in a successfully implemented project.

We look forward to the opportunity to continue our service to the Lexington-Fayette Urban County Government.

Sincerely,

STRAND ASSOCIATES, INC.[®]

Michael L. Davis, P.E.
Senior Associate

2. Firm Qualifications

Strand's Thorough Understanding of Sanitary Sewer Rehabilitation Delivers Substantial Reduction to I&I Impacts

Our I/I reduction experience, from the field work through design, provides LFUCG an all-inclusive sewer rehab partner.

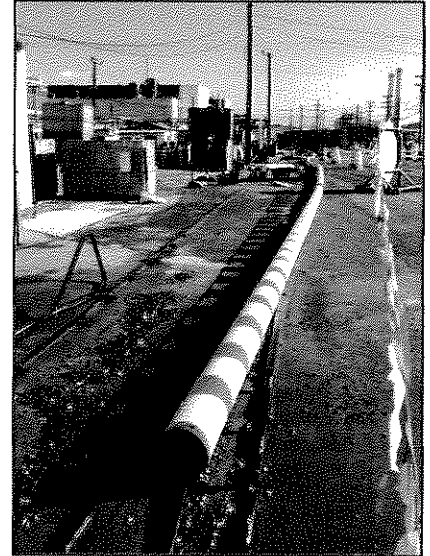
Rehabilitation of sanitary sewer infrastructure has been a primary focus of our work since the 1970's. Having completed projects across many states and EPA Regions, we have helped numerous Central Kentucky communities, including Lexington, complete rehabilitation projects. Our experience includes the entire range of project elements: smoke testing, video inspection review, assessments, planning, prioritization, program development, construction method analysis, design and construction support. We have helped our clients mitigate SSOs and reduce documented SSO volumes by as much as 75% as a result of our collaborative approach to support their rehabilitation efforts.

Members of our Project Team have significant experience evaluating and rehabilitating LFUCG's sewer system. Strand completed sewershed assessments in three of the sewersheds within the LFUCG system, documenting the condition of trunk sewers and portions of the collection systems. Through this effort we developed rehabilitation projects that utilized CIPP, manhole rehabilitation, open excavation repair and trunk sewer improvements.

Our team has also developed new methods for many of our clients to address the challenges inherent to aging sewer infrastructure, such as cost-effectively addressing private property impacts. Our staff includes engineers who have served as utility managers and have developed construction procurement strategies that proved both effective in achieving results while also being cost effective.

Our Team's Field Experience, Proven Designs and Understanding of Construction Methods Maximize LFUCG's Rehabilitation Effort

Results in the I/I reduction arena come from a long history of experience, both in the field and the office. The solutions designed in the office are effective only if they are founded upon practical, proven methods from the field. Our project team's understanding of each aspect of a sewer rehabilitation project will be an immediate asset to these projects. Our team brings field experience both from the assessment perspective as well as the constructability and implementation viewpoint.



Oak Ridge Y-12 pipe bursting rehabilitation in congested areas.

A consistent ranking as a top 25 WW Firm illustrates our ability to offer local, yet nationally - recognized experts.

Our Client Resume and References Provide Further Confirmation of Our Rehabilitation Expertise and Ability to Meet Client Needs

In addition to the sewer rehabilitation projects we have completed with LFUCG, our team’s client resume also documents the depth and breadth of our capabilities. Helping clients address wastewater issues, as well as those facing regulatory action, has allowed us to be an industry leader in this service area. Our consistent ranking by ENR as a top 25 Wastewater Firm further confirms our level of service, expertise and resources.

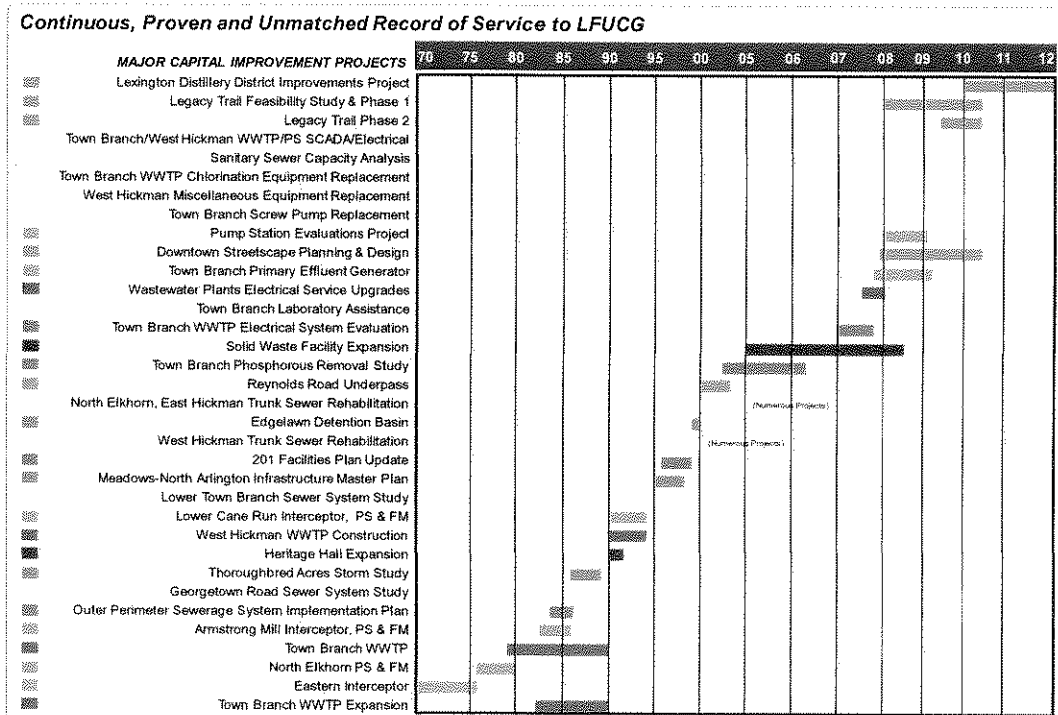
Solving Significant I&I Problems for Consent Decree Communities Demonstrates the Applicability of Our Capabilities to the Challenges Facing LFUCG

Strand has provided I&I rehabilitation services to numerous other Consent Decree communities and our project team includes local staff with this specific experience. When assisting other communities our team has provided innovative, cost-effective solutions to meet specific and quantifiable consent decree requirements. We understand the pressures this effort places on your staff and the community as a whole. Utilizing an approach that incorporates proven rehab strategies, continuity of operations and consideration of public impact, our team brings a established method for implementing sewer system rehab. Our staff has managed an overall rehabilitation program, with responsibility to complete rehabilitation projects on schedule and cost effectively. We believe this experience, contained within our project team, will benefit LFUCG.

Our assistance to other Consent Decree communities leads to effective solutions for LFUCG.

Our Lexington Office Has Over 40 Years of History Serving LFUCG, Resulting in Significant Local Expertise and Familiarity to Support LFUCG Projects

As documented in the chart below our local office has been serving LFUCG over 40 years with a majority of the effort in the waste water and specifically sanitary sewer arena. Our local experience, coupled with the expertise of our project team matches the needs of your project. A majority of project work, estimated to be greater than 75%, will be completed in the Lexington office, utilizing local resources. Many of these individuals have served LFUCG on the many projects shown in the table below.



3. Project Team

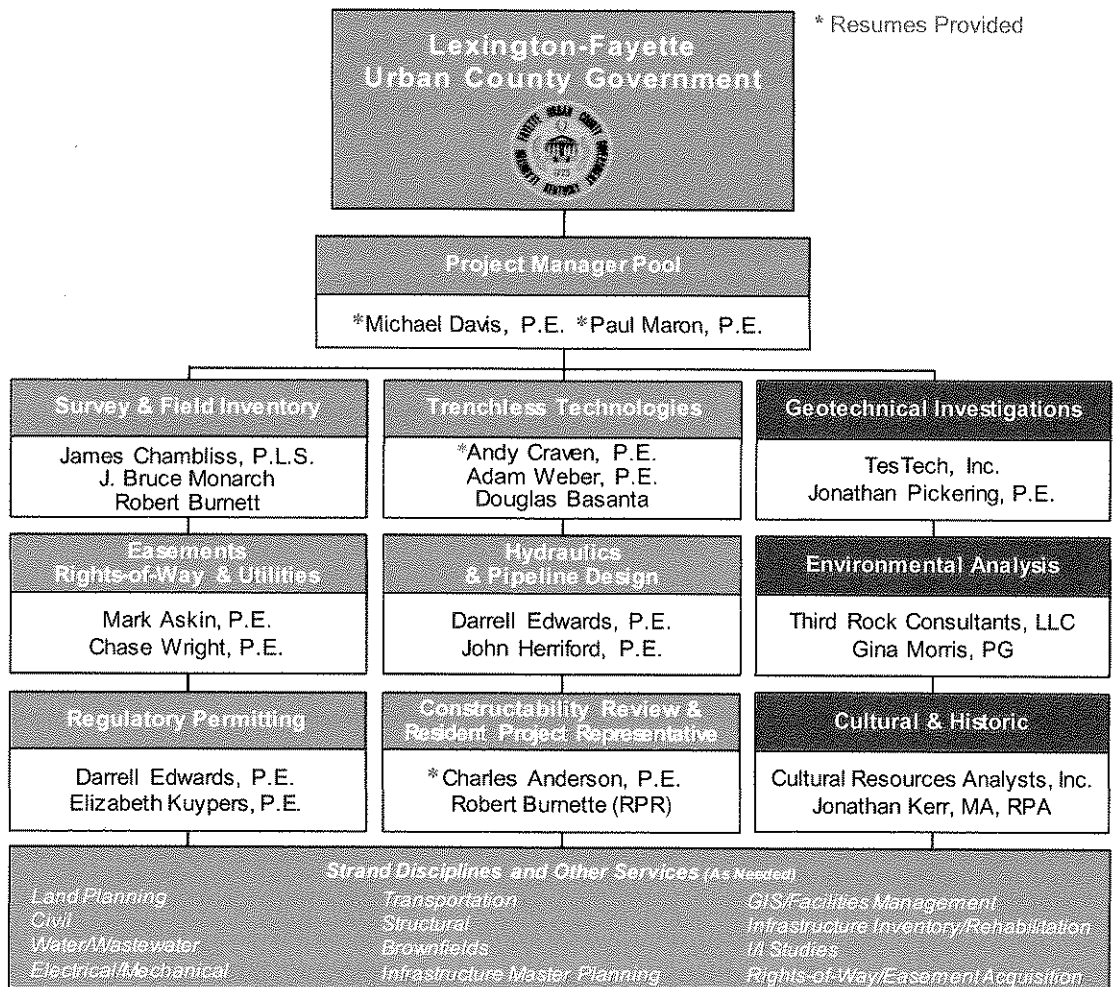
Experienced Project Managers with Support of Seasoned Technical Resources Provides Specialized Experience to Serve Complete Range of Project Needs

Our Team has the requisite credentials and capabilities, and is committed to the successful completion of this program component.

Our Project Team offers the complete range of engineering capabilities that are needed for the many technical challenges that could potentially result through this infrastructure program. We have included project managers with specialized experience directly related to this project discipline who take pride in their work having served on many prior projects on behalf of LFUCG. Our Project Management Team is supported by local engineers and technicians with years of experience involving pipeline, manhole, and inlet rehabilitation projects. Additionally, Strand's collaborative partnership with TesTech, Inc., Third Rock Consultants, LLC and Cultural Resources Analysts, Inc. on previous projects brings familiar expertise related to geotechnical engineering and environmental services. The individuals listed in the organizational chart below will serve in key leadership positions responsible for guiding and directing other Team members during the course of the project. Resumes for key personnel follow within this section.

* Resumes Provided

Listed resources are also supported by other locally available staff.



Experience matrix highlights reciprocal capabilities offered by project team members.

Team Member Experience Matrix

Key Project-Related Experience Attributes

"Our team's experience and capabilities match your specific project needs."

- Project Management
- Quality Control
- Survey/Field Investigation
- Easements/Rights-of-Way
- Utility Coordination
- Permitting
- Infrastructure Assessments
- Pipeline Design/Rehab
- Hydraulic Analysis
- Constructability Review
- Construction-Related Services
- Trenchless Technology/Pipeline/Lateral Rehab
- Manhole Rehab

- Team Member*
- Michael Davis, P.E.
 - Paul Maron, P.E.
 - Andy Craven, P.E.
 - James Chambliss, P.L.S.
 - J. Bruce Monarch
 - Robert Burnette
 - Mark Askin, P.E.
 - Chase Wright, P.E.
 - Darrell Edwards, P.E.
 - Elizabeth Kuypers, P.E.
 - Douglas Basanta
 - Adam Weber, P.E.
 - John Herriford, P.E.
 - Charles Anderson, P.E.

✓ - Indicates a minimum of 5 years of experience in noted categories.

Subconsultant Participation

Our Project Team is supported by the added technical resources provided by TesTech, Inc., Third Rock Consultants, LLC and Cultural Resources Analysts, Inc. respectively for geotechnical engineering, environmental analysis, and cultural & historic evaluations. Strand is no stranger to this group, having collaborated with each firm on many past similar projects. TesTech and Third Rock Consultants also provide our Team with DBE subcontracting opportunities in line with LFUCG's 10% participation goal. Our Project Management Team will work closely with each subconsultant firm to fulfill the specialized services they bring to bear on behalf of LFUCG for this project. With LFUCG's approval, Strand is also prepared to include additional DBE subconsultant firms as project assignments require to meet LFUCG's 10% participant goal.



Project Staffing Risk Management Plan

Strand's *Project Staffing Risk Management Plan* is anchored by a carefully developed delivery approach founded on principles of shared leadership responsibility and continuity of technical resources. Upon initiation of each and every Strand project, a Project Management Plan is prepared that outlines project objectives, key responsibilities and deliverable requirements supported by a well-defined staff assignment-accountability system. We routinely establish a leadership team for each project that includes a firm principal, project manager, and project assistant who lead and direct other required personnel. Regular team meetings also allow our Project Team to stay abreast of related activities for others that are involved. As noted in the staff organizational chart on the previous page, each of our identified key staff not only includes a committed backup for this noted discipline, but also can rely on others that will be involved who offer similar capabilities in the event of a staffing change. Our Project Management Pool approach allows us to easily commit any of these individuals for this role for multiple project assignments. We also have the ability to rely on other qualified firm personnel who are locally-based for both leadership and technical support positions.

Strand's Risk Management Plan and past project history demonstrate commitment to staffing continuity.



Michael L. Davis, P.E.

Experience and Background

- Over 29 years of experience in wastewater facilities design
- Provided wide range of engineering services to LFUCG since 1985
- Graduate of the University of Kentucky - 1984
- Licensed Professional Engineer in Kentucky, Alabama and Mississippi

Office Location

- Lexington, KY

Experience and Expertise Related to Pipeline, Manhole, Inlet Projects

Mike has experience and expertise that matches project needs for pipeline, manhole and inlet design and project management. Following is a summary of Mike's applicable expertise.

- **Sewer Rehabilitation experience** includes open excavation replacement for pipe sizes ranging from 8" to 48" in diameter. His experience also includes a number of "trenchless" rehabilitation methods including cured-in-place lining, fold-and-form lining, pipe bursting and slip lining. Pipe sizes for trenchless technology renovation range from 8" to 48".
- **Design experience includes** evaluation of best technology for different installation conditions and developing project specifications and drawings to obtain competitive pricing to compare available alternative rehabilitation methods.
- **Project Management experience** for wastewater collection and conveyance rehabilitation and treatment facilities for all phases of project development including Design, Bidding and Contract Administration.

Related Project Experience in the Past Five Years

Mike's qualifications exceed the Project Manager requirements for three projects in the past five years. In addition to projects listed below, Mike's resume also includes significant involvement with design and construction of over ten sewer rehabilitation projects, including four major collection system renovations for LFUCG in WH-4, WH-6, WH-7 and NE-1/2 sub-areas. Mike was Project Manager and Principal Engineer for the \$32,000,000 Oak Ridge Y-12 Sewer System Rehabilitation Project that resulted in 50% reduction in I/I flows.

- **Principal Engineer** for Brightleaf Collection System Rehabilitation. Project included public and private system evaluation and repairs. Rehabilitation scope included over 1,000 LF of open excavation repair/replacement, manhole rehabilitation and lateral repair. Strand helped coordinate field investigation efforts completed by others and conducted private property inspections.
- **Project Engineer** for Prichard I/I Reduction Program. Project included the repair of 2,200 defects system-wide, including pump stations, manholes and collection system piping.
- **Project Manager and Principal Engineer** for Paintsville collection system rehabilitation. Project included replacement of existing VC pipe and replacement/rehabilitation of defective manholes.



Paul G. Maron, P.E.

Experience and Background

- Over 13 years of experience in wastewater facilities design
- Graduate of Vanderbilt University - 1999
- Licensed Professional Engineer in Kentucky, Alabama and Mississippi

Office Location

- Louisville, KY

Experience and Expertise Related to Pipeline-Manhole-Inlet Projects

Paul has experience and expertise that matches project needs for pipeline-manhole-inlet design and project management. Following is a summary of Paul's applicable expertise.

- **Sewer pipeline rehabilitation experience** includes pipes ranging in size from six-inch collectors to 96-inch interceptors. Paul is familiar with the latest technologies to assess condition and rehabilitate defects.
- **Manhole rehabilitation experience** includes large diameter manholes, brick, precast concrete, lampholes, and combinations of construction materials.
- **Project Management experience** for wastewater and stormwater collection system rehabilitation for all phases of project development including Design, Bidding and Contract Administration.

Related Project Experience in the Past Five Years

Paul's qualifications exceed the Project Manager requirements for three projects in the past five years. In addition to projects listed below, Paul has designed numerous other smaller projects in his career.

- **Project Manager for Anderson 84-inch and 96-inch Interceptor Assessment.** This project involved the assessment of approximately 10,000 linear feet of 84-inch reinforced concrete pipe and 5,000 linear feet of 96-inch clay-tile pipe that carries all of the community's wastewater to treatment. The interceptor had significant structural defects in places, numerous leaks throughout, and a determination on whether to replace or rehabilitate it needed to be made. The urban area where much of the interceptor was located was a large factor in evaluating construction costs as was the challenge to keeping the line in service. The final recommendation was to line the concrete sections that were in solid structural condition and to slipline the clay-tile section.
- **Project Manager for Lakeside Park I/I Removal Project.** The project engaged a holistic approach to I/I reduction and sewer rehabilitation by assessing and developing recommendations for both the public and private infrastructure. Tele-inspection videos for the wastewater and stormwater lines in conjunction with manhole inspection reports were used to develop rehabilitation plans for the public infrastructure. Rehabilitation techniques included cured-in-place lining, replacement, point repairs, and concrete rehabilitation on manholes. To address private sources, Paul led a team that met individually with each homeowner to explain the results of the dye testing and to develop a specific plan to remove the connection for each property. Working with nearly 50 property owners, our approach to work with homeowners resulted in an extremely high degree of satisfaction from the community.
- **Project Manager for Bloomfield Sewer Rehabilitation Project.** The City of Bloomfield, KY was struggling to manage an I/I problem that had steadily grown worse. Through a legislative grant, we developed plans and specifications to address known problems and to hire a pipeline inspection company to assess the remaining portions of the system that were suspected sources. The construction contract was set-up with unit-prices for the various rehabilitation activities that were expected and allowed for a prioritization of repairs as they were identified.
- **Project Manager for Consent Decree I/I Reduction Program.** This project was a requirement by the State as part of a Consent Decree to eliminate SSOs. As part of it, a private lateral repair/replacement program component was included. Paul developed a stream-lined process for completing the private side work that resulted in a shortened schedule and nearly 50% cost-saving (compared to the original budget). On the public side numerous point repairs were completed to address the significant defects throughout the public system using a prioritization and work-flow process that Paul also developed. In total, over 2,200 repairs were made using these processes that Paul developed. The project resulted in over \$800,000 in savings and achieved a 30% reduction in system-wide I/I.



Andrew L. Craven, P.E.

Experience and Background

- Over 25 years of experience in collection system analysis/design and wastewater facilities design
- Graduate of University of Wisconsin-Platteville (BS Mechanical Engineering 1985) and University of Wisconsin-Madison (MS Civil and Environmental Engineering 1987)
- Licensed Professional Engineer in Wisconsin, Illinois, Iowa, Ohio and West Virginia

Office Location

- Madison, WI

Experience and Expertise Related to Pipeline-Manhole-Inlet Projects

Andrew has extensive experience in the field of collection system analysis and rehabilitation. Following is a summary of Andrew's applicable expertise.

- **Sewer pipeline rehabilitation experience** includes design, bidding and construction phase services for local sewers, trunk sewers and regional interceptors. Rehabilitation methods include grouting, lining and replacement.
- **Manhole rehabilitation experience** includes multi-year programs for municipalities including the use of spray on liners, CIPP liners, grouting and manhole replacement. Emphasis has been on the utilization of trenchless technologies to minimize disruption to local residents.
- **Project Management experience** for collection system rehabilitation for all phases of project development including analysis, planning, design, bidding and contract administration.
- **Professional experience** includes membership on the Central States WEA collection system committee (past-chair) and the Water Environment Federation's collection system committee (private property virtual library sub-committee). Also includes participation on the preparation of WEF Manual of Practice FD-6, "Existing Sewer Evaluation and Rehabilitation"

Related Project Experience in the Past Five Years

Andrew's qualifications exceed the requirements for three projects in the past five years. He served as the PM for all projects discussed below. In addition to projects listed below, Andrew has served as the project manager and/or technical resource for the majority of Strand's wet weather conveyance projects.

- **Project Manager for Davenport, Iowa Sanitary Sewer I/I Project.** This project involved the analysis of a sewer-shed for wet weather performance. Alternatives developed included a series of I/I identification and removal projects, as well as preliminary costs for a relief sewer should I/I removal prove to be ineffective. We are currently working with the Davenport Engineering staff to develop a multi-year manhole rehabilitation program. We have also been retained by the City to provide design phase services to improve drainage in a neighborhood that has experienced chronic flooding issues.
- **Project Manager for Manitowoc, Wisconsin Sanitary Sewer Capacity Evaluation.** We were retained by the City to evaluate the wet weather operation of the collection system under existing and future flow conditions. The project included recommendations for conveyance improvement, including the development of an I/I identification & removal program. City staff recently requested that we assist them in the development of a long-term I/I removal program.
- **Project Manager for Fond du Lac, Wisconsin Manhole Rehabilitation Project.** The City of Fond du Lac, Wisconsin originally selected Strand to conduct a comprehensive SSES for their collection system. The results of the SSES confirmed the presence of excessive I/I in the system. A review of the city's sewer analysis/rehabilitation program indicated that it was reasonable effective at maintaining the *pipes* within the system. What was lacking was a comprehensive manhole assessment and rehabilitation program. In 2009 we conducted detailed manhole assessment on approximately 1,250 manholes. Using this information, we developed plans and specifications for a 2010 manhole rehabilitation program. This program utilized a number of rehabilitation techniques, but the emphasis was on the use of trenchless repair methods. We are now in the third year of a multi-year assessment and rehabilitation program. The assessment and rehabilitation emphasis has been slowly shifted from a reactive to a proactive program as the overall condition of the manholes improves due to rehabilitation.



Charles R. Anderson, P.E.

Experience and Background

- Over 40 years of experience in the design of pumping, conveyance and sewer rehabilitation
- Graduate of the University of Wisconsin - 1971 and 1973
- Licensed Professional Engineer in Kentucky, Wisconsin, Alabama and Tennessee

Office Location

- Louisville, KY

Experience and Expertise Related to Pipeline-Manhole-Inlet Projects

Chuck's experience matches your project needs for design, project management and QA/QC expertise.

- **Conveyance and Sewer Rehab experience** includes design, rehabilitation and upgrade of pump station sizes ranging from 15 gpm to 60 mgd, and numerous pressure and gravity mains. He has designed more than 125 pumping stations with force main diameters up to 48-inches and lengths up to 10 miles. Design tasks include wet well design, force main hydraulic analysis, pump selection, odor control systems, electrical controls, surge analysis, and power distribution. Chuck has provided quality control review for extensive sanitary sewer rehab projects.
- **Project Management experience** for wastewater pump station, collection, conveyance and treatment facilities for all phases of project development including Planning, Design, Bidding, Operation and Maintenance, Value Engineering, Quality Control, and Contract Administration.
- **Quality Control and Value Engineering experience** with wastewater infrastructure has evolved into a major part of Chuck's current efforts. He provides quality control for most of the firm's Kentucky, Indiana, and Ohio projects. He has prepared the firm's standard specifications for pumps, pump stations, manholes and sewer lines, as well as the front end documents by which all the firm's projects are bid. He has led value engineering sessions for Louisville Metropolitan Sewer District and the Northeast Ohio Regional Sewer District on pumping and conveyance projects.

Related Project Experience in the Past Five Years

Chuck's recent project experience reflects the breadth of his expertise in the sewer infrastructure rehab area. Much of his current efforts are directed towards passing on his knowledge of sanitary sewer design and providing quality control and constructability reviews of those designs all of which were part of the following projects.

- **Louisville and Jefferson County Metropolitan Sewer District.** Chuck has served as PM and as QA/QC for multiple MSD sanitary sewer collector sewers since the early 1990's. More recently he has provided oversight for the Hikes Lane Interceptor project, a 72" line, 10,000' gravity line through an urban corridor. Chuck is currently engaged with MSD to lead the value engineering sessions for a \$23M pump station project. Having been the principal author of the evaluation of the 16 flood pumping stations that protect the City of Louisville, Chuck was also asked by MSD to assist them in their project to rehabilitate the Western Flood Pumping Station which is the first station to go online during a flood event.
- **Otter Creek Sewer Infrastructure Project.** The project included new collection, pumping and conveyance infrastructure to serve a rapidly developing area of Hardin County. The Otter Creek pump station was designed with a capacity of 1200 gpm and is a duplex 105 HP submersible pump design. The discharge is conveyed to the City of Radcliff collection system via a 16-inch force main.
- **Dublin Lane Pump Station Upgrade** The Dublin Lane station is a dry weather station on Owensboro's combined sewer system. The station had a capacity of 3.5 mgd and the Regional Water Resource Agency wanted to increase its capacity to over 9 mgd to increase the amount of combined sewage treated during wet weather flow events.
- **Prichard, AL, Sanitary Sewer Infrastructure Rehabilitation** Chuck has served as the QA/QC manager for the extensive assessment, review, design and construction projects for the rehabilitation and upgrade of the Prichard sewer system, which currently operates under a consent decree order.

4. Clients for Which Similar Work has Been Performed

Client History and Related References Provide Further Confirmation of Sewer System Rehabilitation Expertise and Ability to Meet Clients Needs

<i>Client Name</i>	<i>Similar Projects Completed</i>
Bill Swopes The Water Works and Sewer Board of the City of Prichard, AL (251) 458-6247 billswopes@yahoo.com	I/I Reduction Program
Ricky Jewell, Superintendent City of Bloomfield (502) 252-5746 rjewell@bardstowncable.net	Wastewater System Improvements
Mike Spyers, P.E. City of Anderson, IN (765) 648-6118 mspyers@cityofanderson.com	Interceptor Assessment Program
Ryan Hartman, P.E. Clay Township Regional Waste District (317) 844-9200 Ryan.hartman@ctrwd.org	SSO Analysis
David Lind, P.E. Oak Ridge Y-12 Facility (865) 574-1088	Y-12 Sewer System Rehabilitation

5. Similar Design Services Projects

Solving Significant I&I Problems for Consent Decree Communities Demonstrates the Depth of Our Abilities

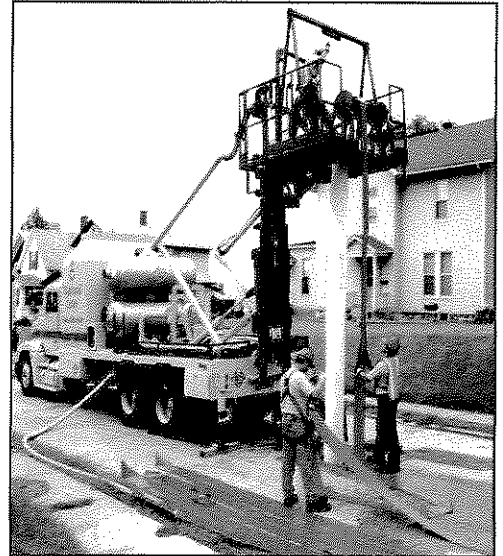
Strand has been providing quality professional engineering services to LFUCG since 1968.

Strand has served LFUCG’s sanitary needs since 1968. These services have included all facets of design, planning, and construction-related services from treatment to collection system improvements and new infrastructure. Our local office specifically has been aiding communities in addressing I&I related issues since the mid-70s. As PEH Engineers, we were one of the first firms to flow monitor and develop hydraulic models to address sanitary capacity issues related to I&I in the state. Our staff has helped negotiate on the owners behalf Agreed Orders and Consent Decree language directly with Region 4 and KDOW. This experience provides valuable insight in assisting LFUCG’s current rehabilitation needs. Our team is familiar with the latest rehabilitation techniques and understand the positive and negatives of various methods. In fact, two staff members have led Louisville MSD and SD1 efforts in this area. This Owner’s perspective brings added insight to the approach we develop for each of our assignments

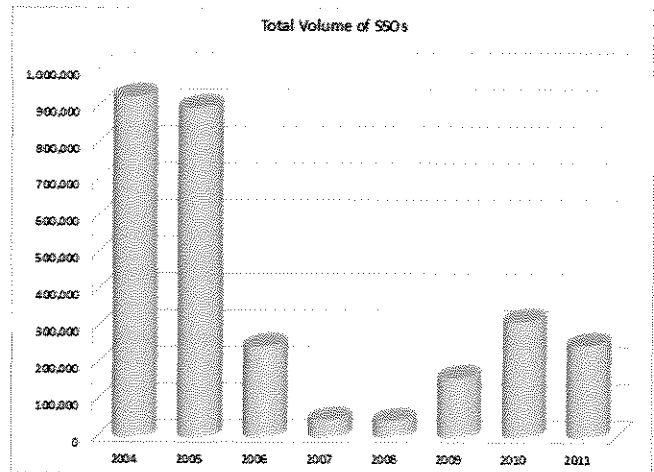
The remaining pages document the experience of our team, the projects we have completed, and results we have achieved. In support of this effort our team and firm have accomplished the following:

- Completed over 100 SSES projects to identify system defects
- Reviewed thousands of hours of sewer CCTV results to develop rehabilitation strategies
- Created hundreds of detailed designs for infrastructure rehab projects
- Utilized trenchless technology (CIPP, [pipe bursting, directional drilling, slip lining)
- Constructed detailed hydraulic models to verify capacity limits and predict project benefits
- Provided Consent Decree program management to meet regulatory time lines
- Developed private property programs, policies and procedures to reduce I&I
- Produced public education and involvement for rehab and private property programs
- Validated results using post rehab monitoring
- Accomplished numerous details field investigations

In addition our project team brings significant Consent Decree, I&I, and SSO reduction and elimination success. This unique record is one that will prove beneficial to this critical project and provides a tried and true resource to LFUCG. The table on the following page further documents our credentials.



Cured-In-Place Pipe (CIPP) Rehabilitation in urban setting.



Prichard, AL SSO volume reduction results from sewer system rehabilitation.

Similar Design Services Projects

Project Name	Date	Services Required	Project Description	Construction Cost	Key Team Member
Wastewater System Improvements Project Sanitation District No. 1 of Green County Summersville, KY	Ongoing	Project planning, alternatives evaluations, design, and construction administration	<ul style="list-style-type: none"> Comprehensive review of entire wastewater system. Developed plans and specifications to address significant (I) defects and other issues at pump stations to reduce flows and minimize operations costs. 	\$526,000 (est.)	Paul Maron, P.E. Michael Davis, P.E. Chuck Anderson, P.E.
Bright Leaf Collection System Rehabilitation Mercer County Sanitation District Harrodsburg, KY	2012	Complete design, CCTV tape review, bidding, and contract administration services.	<ul style="list-style-type: none"> Met with property owners and conducted public meetings addressing private source (I). Included open excavation repairs of existing 8-in VCP pipe and manhole rehabilitation. Coordinated CCTV, smoke testing, and dye water testing performed by others. Detailed review of flow monitoring data, pumping logs, and system as-builts to identify the cause(s) of recurring SSOs. Analysis correctly identified the locations and type of issues. Since being addressed, no further SSOs have occurred at the study locations. 	\$145,000	Michael Davis, P.E.
SSO Analysis Clay Township Regional Waste District Hamilton County, IN	2012	Hydraulic analysis and design	<ul style="list-style-type: none"> Consent Decree mandated project to reduce (I) on both public and private sewers. Addressed over 2,200 defects in the system. Project was completed ahead of schedule and approximately 40% under anticipated budget. 	Not available. Completed by Force Account.	Paul Maron, P.E.
(I) Reduction Program The Water Works and Sewer Board of the City of Prichard, AL Prichard, AL	2012	Complete program development, repair prioritization, reporting, design, and contract administration.	<ul style="list-style-type: none"> Coordinated field investigation and smoke testing performed by others. Identified rehabilitation required at pump station wet wells. 	\$50,000 (est.)	Paul Maron, P.E.
(I) Reduction Improvements Green County Sanitation District Summersville, KY	2012	Field investigation, smoke testing, design, bidding, and contract administration.	<ul style="list-style-type: none"> Included evaluation of both public and private (I) sources. Worked one-on-one with homeowners to develop individual designs to remove private sources. Tight working constraints and nearby community assets led to creative alternatives to rehab public sewers. 	\$1,862,000	Paul Maron, P.E. Mark Sneve, P.E. Michael Davis, P.E. John Herriford, P.E. Chuck Anderson, P.E.
Lakeside Park (I) Removal Project Sanitation District No. 1 of Northern Kentucky Lakeside Park, KY	2011	Project planning, alternatives evaluations, development of cost opinions	<ul style="list-style-type: none"> Assessment of approximately 5,000 lf of 84-inch RCP and 10,000 lf of clay-tile pipe interceptor. Urban location of much of the pipe required detailed rehabilitation alternative analysis. Interceptor carried 100% of the City's wastewater allowing only alternatives that could be constructed while maintaining flow 24/7. 	\$620,000 (est.)	Paul Maron, P.E.
Interceptor Assessment Project City of Anderson Anderson, IN	2011	Project planning, alternatives evaluations, development of cost opinions	<ul style="list-style-type: none"> Developed plans and specifications to address known (I) sources and complete investigations to identify and prioritize other defects. Created unit-prices for expected repair techniques to quickly issue work orders to Contractor. 	\$18,600,000 (est.)	Paul Maron, P.E.
Wastewater System Improvement Project City of Bloomfield Bloomfield, KY	2007	Complete project planning, design, and construction administration.	<ul style="list-style-type: none"> Replaced 2,900 LF of 8-in VCP pipe along Paint Creek including stream restoration. Rehabilitated 47 manholes to address smoke testing, defects, and (I). Plugged "engineered overflows" within collection system to prevent discharges into Paint Creek. 	\$400,000	Paul Maron, P.E. Mark Sneve, P.E. Chuck Anderson, P.E.
Paintsville Collection System Rehabilitation Paintsville Utilities Paintsville, KY	2007	Design, bidding, and construction administration services.	<ul style="list-style-type: none"> Provided on-site engineering diagnosis and design with CCTV crew and contractor. Coordinated and completed all aspects of public notification process resulting in zero complaints about the work. 	\$345,000	Michael Davis, P.E.
Jeffersonton Interceptor Assessment Louisville MSD Louisville, KY	2004	Develop repair and rehab recommendations, coordinate pre-qualified Contractor to complete work	<ul style="list-style-type: none"> Rehabilitation completed in area tributary to trunk sewer rehabilitation project to mitigate SSOs. 55 open excavation repairs of 8-in VCP pipe. 78 cured-in-place pipe lining installations with total of 15,250 LF of 8-in lining. 	\$100,000	Paul Maron, P.E. Mark Sneve, P.E. Chuck Anderson, P.E.
West Hickman Area 7 Collection System Rehabilitation LFCUG, KY Lexington, KY	2003	Complete design; CCTV tape review, bidding, and contract administration services.	<ul style="list-style-type: none"> Rehabilitation completed in area tributary to trunk sewer rehabilitation project to mitigate SSOs. 83 open excavation repairs of 8-in and 10-in VCP pipe. 63 cured-in-place pipe lining installations with total of 11,500 LF of 8-in lining. Replacement of 800 LF of deteriorated 35-in pipe. Included a designed bypass pumping arrangement in place during entire replacement construction. Replacement design reused a steel casing pipe under US 27 to reduce construction cost. 	\$598,000	Michael Davis, P.E.
West Hickman Area 6 Collection System Rehabilitation LFCUG, KY Lexington, KY	2002	Complete design, CCTV tape review, bidding, and contract administration services.	<ul style="list-style-type: none"> Rehabilitation completed in area tributary to trunk sewer rehabilitation project to mitigate SSOs. 47 open excavation repairs of 8-in VCP pipe. 90 cured-in-place pipe lining installations with total of 20,500 LF of 8-in lining. 	\$830,000	Michael Davis, P.E.
South Elkhorn Trunk Sewer Rehabilitation LFCUG, KY Lexington, KY	2002	Complete design, CCTV tape review, bidding, and contract administration services.	<ul style="list-style-type: none"> Rehabilitation completed in area tributary to trunk sewer rehabilitation project to mitigate SSOs. 63 cured-in-place pipe lining installations with total of 11,500 LF of 8-in lining. 	\$240,000	Michael Davis, P.E.
North Elkhorn Areas 1/2 Collection System Rehabilitation LFCUG, KY Lexington, KY	2001	Complete design, CCTV tape review, bidding, and contract administration services.	<ul style="list-style-type: none"> Rehabilitation completed in area tributary to trunk sewer rehabilitation project to mitigate SSOs. 47 open excavation repairs of 8-in VCP pipe. 90 cured-in-place pipe lining installations with total of 20,500 LF of 8-in lining. 	\$670,000	Michael Davis, P.E.
Oak Ridge Y-12 Sewer Rehabilitation US Department of Energy Oak Ridge, TN	2000	Field investigation, CCTV tape review, planning, design, and construction services. Follow-up flow monitoring.	<ul style="list-style-type: none"> Rehabilitation of over 100,000 LF of collection system piping at DOE nuclear facility. Utilized cured-in-place pipe, open excavation, and pipe bursting rehabilitation methods. Included manhole rehabilitation to over 500 manholes. Reduced rainfall induced (I) by approximately 50%. 	\$32,000,000	James Chambliss, P.L.S. Michael Davis, P.E. Chuck Anderson, P.E.

Attachment 1

Project Team Location(s)

Prime Consultant	Location (City, State)	Date Office Established	Total Number of Employees	No. of Employees expected to work on DWQ projects	
Headquarters	Madison, WI	1946	192	Variable	a.
Local Office	Lexington, KY	1968	20	18	b.
PM Location	Lexington, KY				
Other Location	Louisville, KY	1968	26	5	c.
Subconsultants					
Name:	Testech, Inc.	2/3/1997	61	5	
Service Provided	Geotechnical/Drilling				
Headquarters	Dayton, OH	2/3/1997	45	3	
Local Office	Louisville, KY	6/2009	3	2	
Name:	Third Rock Consultants, LLC	1/1/2000	26	3	
Service Provided	Environmental Consulting				
Headquarters	Lexington, KY	1/1/2000	23	3	
Local Office	Lexington, KY	1/1/2000	23	3	
Name:	Cultural Resource Analysts, Inc.	1983	74	Variable	
Service Provided	Cultural Resource Studies				
Headquarters	Lexington, KY	1983	35	Variable	
Local Office	Lexington, KY	1983	35	Variable	

Notes:

1. "Headquarters" refers to the corporate office that provides project support to the local office, if applicable. If support comes from multiple locations, use the blank spaces in the form to provide relevant information.
2. Listing of sub-consultants is optional and should only be provided if the prime consultant considers the sub-consultant(s) services to be essential to meeting the required qualifications. In this event, documentation from the subconsultant(s) shall be submitted in the SOQ that provides a commitment to be a part of the prime consultant's team in providing the stated services. In such cases, for the purpose of evaluating the proposals, committed sub-consultants will be considered to be part of the prime consultant's workforce. Prime consultants face potential disqualification from future work if DWQ finds that the identified sub-consultants are not being utilized to deliver assigned work products.
 - a. Anticipated % of Strand services performed in Madison, WI - <15%
 - b. Anticipated % of Strand services performed in Lexington, KY - >70%
 - c. Anticipated % of Strand services performed in Louisville, KY - <15%

7. Disadvantaged Business Enterprise Involvement

Our DBE Engagement Plan supports LFUCG's stated 10% goal.

Strand's DBE Subconsultant Plan Achieves LFUCG's Participation Goal

As a firm that supports initiatives of our local government, Strand consistently endeavors to incorporate DBE participation goals in our contracting opportunities. To this end, we are fully committed to meeting LFUCG's 10% DBE participation goal with our selected DBE subconsultants for required services and others as may be needed to fulfill this commitment. Although all other required engineering services can be provided by Strand's diverse in-house staff, we are prepared to allocate project responsibilities to additional DBE firms in meeting LFUCG's stated 10% goal.

For this project, the Strand team includes listed support from Testech, Inc.; Third Rock Consultants, LLC; and Cultural Resources Analysts, Inc. to provide essential services that augment Strand's internal capabilities. Testech, Inc. is an MBE minority-owned firm based in Louisville, Kentucky. For this project they will assume responsibility for providing geotechnical related services. Third Rock Consultants, LLC is a local WBE who will provide environmental-related services. We have also included Cultural Resources Analysts, a locally-based small business that specializes in cultural and historic environmental concerns. Common among each of these subconsultant team members is a prior working relationship with Strand on many other similar related projects.



For the entirety of project services under this Remedial Measures Program component, Strand is committed to meeting or exceeding LFUCG's 10% goal for DBE firm participation. If service opportunities are not available for a given project within the credentials listed herein for TesTech or Third Rock, Strand will first reach out to other locally-based preapproved DBE firms to solicit their support in meeting the participation goal. If we are unable to find local support, we will then reach out to other area DBE firms to meet the commitment. Rest assured, Strand is committed to fulfillment of this important contracting objective recommended by LFUCG.

8. Statement of Hourly Rates

Strand's Value Added Commitment will Provide a Measured Return on Investment in Quality Engineering Services

Our Staffing Plan & Rate Structure are Balanced to Provide Optimum Value.

We would welcome the opportunity to review and discuss our capabilities and proposed staffing in more detail and provide any supplemental information necessary to meet LFUCG's ultimate project goals and objectives. Hourly billing rates for this project are summarized in the tables below.

Strand Associates, Inc.

Position	Rate
Principal	\$210 per hour
Project Manager	\$184 per hour
Project Engineer (P.E.)	\$122 per hour
Project Engineer (EIT)	\$ 92 per hour
Engineering Technician/CAD	\$103 per hour
Survey Crew (Two-Man)	\$178 per hour
Clerical	\$ 83 per hour

Typically Expected Reimbursable Expenses

Expense Name	Expense Cost
Subconsultant	@ Cost Plus 10%
Telephone	@ Cost
Copies	\$.15 per Copy
Stakes & Lath	\$.40 per Piece
Equipment Rental	@ Cost Based on Rental Rates
Postage/UPS	@ Cost
Computer Expense	\$16 Per Hour
Color Copies	\$1 Per Copy
Wide Format Printing	\$0.30 Per Sq. Ft./\$2.05 Per Sq.Ft. Mylar
Mileage Auto	@ \$0.50/Mile
Mileage 4-Wheel Drive Truck	@ \$0.90/Mile
Confined Space Meter (Gas Detector)	\$50 Per Day
GPS	\$207 Per Day/Per Recorder
GPS Hand-Held	\$125 Per Day/Per Recorder
GPS w/Cell Phone	\$250 Per Day
Robotic Total Station	\$210 Per Day
Tripod/Winch	\$50 Per Day
TSK-Total Station Kit	\$130 Per Day



Strand Associates, Inc.
MBE WBE Participation Forms
Affirmative Action Plan
Equal Opportunity Agreement
Work Force Analysis Form
Certificate of Liability Insurance



LFUCG MBE/WBE PARTICIPATION FORM
Bid/RFP/Quote Reference # 33-2012

The MBE/WBE subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately.

MBE/WBE Company, Name, Address, Phone, Email	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1. Ricardo Brower Vice President TesTech, Inc. 11505 Commonwealth Dr Suite 104 Louisville, KY 40299 (502) 261-0462 brower@testtechinc.com	Geotechnical Engineering	* see note below	* see note below%
2. Molly Foree Davis, President Third Rock Consultants, Inc 2526 Regency Road, Suite 180, Lexington, KY 40503 (859) 977-2000 mforee@thirdrockconsultants.com	Environmental Analysis	* see note below	* see note below
3.			
4.		Total	* see note below %

The undersigned company representative submits the above list of MBE/WBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Strand Associates, Inc.
Company

Michael C. Davis
Company Representative

11/13/2012
Date

Senior Associate/Director of Operations
Title

* Note: Strand is committed to meeting the 10% DBE participation goal with required listed subconsultants as noted and other as may be required based on actual project assignments.



MBE QUOTE SUMMARY FORM
 Bid/RFP/Quote Reference # 33-2012

The undersigned acknowledges that the minority subcontractors listed on this form did submit a quote to participate on this project.


Company Name Strand Associates, Inc.	Contact Person Michael L. Davis, P.E.
Address/Phone/Email 1525 Bull Lea Road, Suite 100 Lexington, KY 40511 859/225-8500 mike.davis@strand.com	RFP Package / RFP Date RFP33-2012 Professional Engineering Services 10/22/12 -release 11/13/12 -due

MBE/WBE Company Address	Contact Person	Contact Information (work phone Email, cell)	Date Contacted	Services to be performed	Method of Communication (email, phone meeting, ad, event etc)	Total dollars \$\$ Do Not Leave Blank (Attach Documentation)	MBE * AA HA AS NA Female
TasTech, Inc. 11505 Commonwealth Dr Suite 104 Louisville, KY 40299	Ricardo Brower Vice President	brower@testechinc.com (502) 261-0462	11/6/12 (Phone)	Geotechnical Engineering	Phone Email	TBD **	8(a) Certified
Third Rock Consultants, Inc 2526 Regency Road, Suite 180, Lexington, KY 40503	Gerry Fister, PE	gfister@thirdrockconsultants.com (859) 977-2000	11/6/12 (Phone)	Environmental Analysis	Phone Email	TBD	WBE

(MBE designation / AA=African American / HA= Hispanic American/AS = Asian American/Pacific Islander/ NA= Native American)

The undersigned acknowledges that all information is accurate. Any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Strand Associates, Inc.
Company
11/13/2012
Date


Company Representative
Senior Associate/Director of Operations
Title

* Note: Numerous contacts have occurred throughout the year.

** Note: Strand is committed to meeting the 10% DBE participation goal with required listed subconsultants as noted and other as may be required based on actual project assignments.

LFUCG STATEMENT OF GOOD FAITH EFFORTS
Bid/RFP/Quote # 33-2012

By the signature below of an authorized company representative, we certify that we have utilized the following methods to obtain the maximum practicable participation by minority and women owned business enterprises on the project. Please indicate which methods you used by placing an X in the appropriate place.

- Attended LFUCG Central Purchasing Economic Inclusion Outreach Event
- Sponsored Economic Inclusion event to provide networking opportunities
- Requested a list of MBE/WBE subcontractors or suppliers from LFUCG Economic Engine
- Advertised for MBE/WBE subcontractors or suppliers in local or regional newspapers
- Showed evidence of written notice of contracting and/or supplier opportunities to MBE/WBE firms at least seven days prior to the proposal opening date
- Provided copies of quotations submitted by MBE/WBE firms which were not used and/or responses from firms indicating they would not be submitting a quote
- Provided plans, specifications, and requirements to interested MBE/WBE subcontractors
- Other
Please list any other methods utilized that aren't covered above.

Contacted known MBE/WBE firms whom we have worked with on previous projects

The undersigned acknowledges that all information is accurate. Any misrepresentations may result termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Strand Associates, Inc.
Company


Company Representative

11/13/2012
Date

Senior Associate/Director of Operations
Title

From: Rick Brower <brower@testtechinc.com>
Sent: Friday, November 09, 2012 4:25 PM
To: Davis, Mike
Cc: Goodrich, Angela
Subject: LFUCG RFP # 33-2012

TesTech has agreed to be part of the Strand Team as a sub-consultant on the LFUCG RFP to providing Geotechnical Services.

Thanks

Ricardo Brower
Vice President
TesTech
8(a)/MBE/EDGE-Certified
8534 Yankee Street Suite 2C
Dayton, Ohio 45458
(937) 435-3200 - Office
(937) 291-6549 - Fax
brower@testtechinc.com
www.testtechinc.com

From: Fister, Gerry <gfister@thirdrockconsultants.com>
Sent: Thursday, November 08, 2012 8:22 AM
To: Woolum, Mike
Cc: Goodrich, Angela; Davis, Mike
Subject: LFUCG RFP # 33-2012

Mr. Woolum,

Third Rock Consultants is please to acknowledge your invitation and state our commitment as a team member to serve in a subcontractor role to provide environmental services for the Lexington Fayette Urban County's remedial measures projects.

Gerry Fister, PG | Third Rock Consultants, LLC | Mobile 859-619-1237
2526 Regency Rd | Ste 180 | Lexington, KY 40503 | 859.977.2000
101 North 7th St | Louisville, KY 40202 | 502.561.3448
511 Union St | Ste 1850 | Nashville, TN 37219 | 615.313.3996
244 N. Peters Rd #216 | Knoxville, TN 37923 | 865.694.6144



Strand Associates, Inc.
1525 Bull Lea Road, Suite 100
Lexington, KY 40511
(P) 859-225-8500
(F) 859-225-8501

Equal Employment Opportunity Policy Statement

Strand Associates, Inc.® is committed to a policy of equal opportunity for all employees. It is our policy to seek and employ the best qualified personnel in all positions, to provide equal opportunity for advancement to all employees, including upgrading, promotion and training, and to administer these activities in a manner which will not discriminate against or give preference to any person because of race, color, religion, age, sex, national origin, handicap, marital status, or any other discriminatory basis prohibited by state or federal law.

Strand is further committed to providing a work environment in which employees are treated with courtesy, respect, and dignity. As part of this commitment, we will not tolerate any form of harassment, verbal or physical, with regard to an individual's race, sex, national origin, or any other protected characteristics. Therefore, all employees are encouraged to bring forth any concerns or complaints in this regard to the attention of management by contacting Human Resources, Shawn Cannon, or Ted Richards.

All complaints of sexual harassment, or harassment of any kind, will be investigated promptly and, where necessary, immediate and appropriate action will be taken to stop and remedy any such conduct. Any employee found in violation of this policy will be subject to disciplinary action which could include discharge.

EQUAL OPPORTUNITY AGREEMENT

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

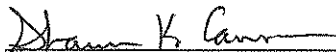
The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.


Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.



Signature



Name of Business

WORKFORCE ANALYSIS FORM

Name of Organization: Strand Associates, Inc.

Date: 11 / 13 / 2012

Categories	Total	White		Latino		Black		Other		Total	
		M	F	M	F	M	F	M	F	M	F
Administrators	12	10	1						1	10	2
Professionals	228	186	32	1		2		7		196	32
Superintendents											
Supervisors											
Foremen											
Technicians	48	40	6	1		1				42	6
Protective Service											
Para-Professionals											
Office/Clerical	48	9	33		1		3	1	1	10	38
Skilled Craft											
Service/Maintenance	3	1				2				3	
Total:	339	246	72	2	1	5	3	8	2	261	78

Prepared by: Audra Wells, H/R Coordinator
Name & Title



CERTIFICATE OF LIABILITY INSURANCE

OP ID: SS

DATE (MM/DD/YYYY)

07/03/12

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER KLEIN INS. GROUP OF MADISON 702 N. HIGH POINT RD., STE 201 PO BOX 45470 MADISON, WI 53744-5470 Richard A. Hagen	608-831-9700	CONTACT NAME: Sue Simoneau	
	608-831-4777	PHONE (A/C, No, Ext): 608-831-9700	FAX (A/C, No): 608-831-4777
		E-MAIL ADDRESS: ssimoneau@kleinins.com	
		PRODUCER CUSTOMER ID #: STRAA01	
		INSURER(S) AFFORDING COVERAGE	
INSURED Strand Associates, Inc., & PEH Engineers Shawn Cannon 1525 Bull Lea Rd, Ste. 100 Lexington, KY 40511	INSURER A :	General Casualty Insurance Co.	24414
	INSURER B :	Regent Insurance Co.	
	INSURER C :	CNA Insurance Companies	20443
	INSURER D :		
	INSURER E :		
	INSURER F :		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY		CC10194862	01/01/12	01/01/13	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR					MED EXP (Any one person) \$ 10,000
	<input checked="" type="checkbox"/> XCU Cov. incl.					PERSONAL & ADV INJURY \$ 1,000,000
	<input checked="" type="checkbox"/> completed ops.					GENERAL AGGREGATE \$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:					PRODUCTS - COMP/OP AGG \$ 2,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC					\$
B	AUTOMOBILE LIABILITY		CBA0113607	01/01/12	01/01/13	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO					BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS					BODILY INJURY (Per accident) \$
	<input type="checkbox"/> SCHEDULED AUTOS					PROPERTY DAMAGE (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS					\$
	<input checked="" type="checkbox"/> NON-OWNED AUTOS					\$
A	UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR	CCU0133607	01/01/12	01/01/13	EACH OCCURRENCE \$ 2,000,000
	EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE				AGGREGATE \$ 2,000,000
	DEDUCTIBLE					\$
	<input checked="" type="checkbox"/> RETENTION \$ 10,000					\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	Y/N	CWC 0650748	01/01/12	01/01/13	<input checked="" type="checkbox"/> WC STATUTORY LIMITS
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N				E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below	N/A				E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
						E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional & Pollution Liab.		AEH 11-397-40-97	07/11/12	07/11/13	ea. occur \$ 2,000,000
			FULL PRIOR ACTS			aggregate \$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

CANCELLATION

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SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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TesTech, Inc.
Work Force Analysis Form
Firm Profile

WORKFORCE ANALYSIS FORM

Name of Organization: TesTech, Inc.

Date: 11 / 13 / 2012

Categories	Total	White		Latino		Black		Other		Total	
		M	F	M	F	M	F	M	F	M	F
Administrators	1		1								1
Professionals	20	10	5		3					14	5
Superintendents											
Supervisors	3	3								3	
Foremen											
Technicians	25	23	1	1						24	1
Protective Service											
Para-Professionals											
Office/Clerical	4		4								4
Skilled Craft	7	7								7	
Service/Maintenance											
Total:	60	44	11	2	3	3	3	49	11	60	11

Prepared by: Rae M. O'Shady, Office Manager
 Name & Title

FIRM OVERVIEW

TesTech, Inc., an 8(a)/MBE-certified professional engineering firm, was founded in 1997 and established to provide technical services for the integral components of various types of construction projects through traditional work ethics and commitment to excellence.

This commitment is demonstrated through our continued growth and today, TesTech is comprised of approximately 60 employees, with office locations operating in Ohio, Indiana, Michigan, Kentucky, and Missouri.

TesTech's staff includes professional engineers, welding inspectors, engineering technicians, surveyors and environmental scientists all of whom are specialists in their fields and certified and/or accredited by the following organizations:

- ❖ State Board of Registration for Professional Engineers and Surveyors
- ❖ American Institute of Professional Geologists (AIPG)
- ❖ American Concrete Institute (ACI)
- ❖ American Welding Society (AWS)
- ❖ Ohio Department of Transportation (ODOT)
- ❖ Indiana Department of Transportation (INDOT)
- ❖ Kentucky Transportation Cabinet (KTC)
- ❖ Michigan Department of Transportation (MDOT)
- ❖ Ohio Aggregates Association (OAA)
- ❖ Central Ohio Transportation Authority (COTA)
- ❖ National Institute for Certification in Engineering Technologies (NICET)
- ❖ Occupational Safety & Health Administration (OSHA)
- ❖ American Association of State Highway & Transportation Officials (AASHTO) (AMRL & CCRL)
- ❖ U. S. Army Corps of Engineers (USACE)
- ❖ States of Ohio & Michigan Department of Health
- ❖ National Environmental Health Association (NEHA)

Our experienced team specializes in providing the following technical services:

- ❖ Professional Geotechnical Engineering
- ❖ Independent Geotechnical Drilling
- ❖ Construction Materials Testing and Inspection
- ❖ Independent Laboratory Testing
- ❖ Environmental Site Assessments – Phase I & Phase II ESAs, ESA Screenings
- ❖ Land Surveying
- ❖ Civil Engineering Services
- ❖ Construction Management

Our project experience encompasses servicing numerous airports, roadways, bridges, federal/state/local government construction, municipalities, public school systems, colleges and universities, and commercial/residential development projects throughout the Ohio, Indiana, Kentucky, Michigan, Missouri, and Pennsylvania regions.

TesTech possesses both the technical and managerial proficiency required to deliver quality services for the successful completion of your project – regardless of the magnitude or complexity – let us put our experience to work for you!

TESTECH

*Putting our experience to
work for you!*

**8(a) Certified
Graduation 2019**

OFFICE LOCATIONS:

Corporate Headquarters
8534 Yankee St., Suite 2C
Dayton, OH 45458
Tel: 937-435-3200
Fax: 937-291-6549

Cincinnati Office
312 Walnut St., Suite 1600
Cincinnati, OH 45202
Tel: 513-762-7661
Fax: 513-721-4628

Columbus Office
2720 Airport Dr., Suite 100
Columbus, OH 43219
Tel: 614-418-1721

Indianapolis Office
5769 Park Plaza Court
Indianapolis, IN 46220
Tel: 317-845-3133
Fax: 317-845-3131

Louisville Office
11505 Commonwealth Drive
Suite 104
Louisville, KY 40299
Tel: 502-261-0462
Fax: 502-261-0677

Lansing Office
8164 Executive Court
Suite C
Lansing, MI 48917
Tel: 517-622-1002
Fax: 517-627-6392

Fort Wayne Office
4714 Parnell Avenue
Fort Wayne, IN 46825
Tel: 260-918-2302
Fax: 260-969-1175

St. Louis Office
1033 Corporate Square Drive
St. Louis, MO 63132
Tel: 314-292-6944



Third Rock Consultants, LLC
Work Force Analysis Form
Firm Profile

WORKFORCE ANALYSIS FORM

Name of Organization: Third Rock Consultants, LLC

Date: 11 / 13 / 2012

Categories	Total	White		Latino		Black		Other		Total
		M	F	M	F	M	F	M	F	
Administrators	1		1							
Professionals	7	3	4							
Superintendents										
Supervisors	1		1							
Foremen										
Technicians	7	4	3							
Protective Service										
Para-Professionals	8	4	4							
Office/Clerical	2		2							
Skilled Craft										
Service/Maintenance										
Total:	26	11	15							

Prepared by: Molly Foree Davis, President
Name & Title



Third Rock Consultants, LLC (Third Rock), with offices in Lexington and Louisville, Kentucky; and Nashville and Knoxville, Tennessee was established in the fall of 2000 in response to the increased need for innovative, yet professional environmental consulting services. Third Rock is recognized as a leading environmental firm in our region, achieving this distinction through a combination of superior technical skills and commitment to meeting our clients' needs. Our services have focused on support services for engineering projects, biological and ecological analyses, environmental permitting, stream mitigation design, and NEPA documentation. Third Rock serves a wide range of private and public clients, including water quality focused projects for the Division of Environmental Quality and Public Works. Our staff is well versed in the consent decree and remedial measures plans that have been developed and is prepared to provide the services needed to support the engineering professionals that will advance them.

Third Rock is a certified woman-owned business enterprise. Molly Davis is the sole owner and president of Third Rock. She is a graduate of the University of Kentucky College of Law. Prior to entering the consulting business, Ms. Foree specialized in environmental law at Greenebaum, Doll & McDonald, PLLC, a prominent Lexington law firm. Her experience as an environmental attorney is advantageous for our clients who must comply with complicated environmental laws and regulations. Under Ms. Foree's leadership, Third Rock has achieved a reputation for providing quality environmental services in today's challenging regulatory climate.

Contact Information:

Molly Foree Davis, President
mforee@thirdrockconsultants.com
www.thirdrockconsultants.com

Main Office:

2526 Regency Road, Suite 180, Lexington, KY 40503
P: 859-977-2000
F: 859-977-2001



Cultural Resource Analysts, Inc.
Work Force Analysis Form
Firm Profile

WORKFORCE ANALYSIS FORM

Name of Organization: Cultural Resource Analysts, Inc.

Date: 11 / 13 / 2012

Categories	Total	White		Latino		Black		Other		Total	
		M	F	M	F	M	F	M	F	M	F
Administrators	9	8	1							8	1
Professionals	42	30	12							30	12
Superintendents											
Supervisors	8	2	4			1		1		2	6
Foremen											
Technicians	8	6	2							6	2
Protective Service											
Para-Professionals											
Office/Clerical	1		1							1	
Skilled Craft											
Service/Maintenance											
Total:	68									47	21


 Prepared by: Bridgette A. Robinson - Director of Human Relations
 Name & Title

Cultural Resource Analysts, Inc.

General Qualifications

Since 1983 Cultural Resource Analysts, Inc. (CRA) has provided assistance on National Historic Preservation Act (NHPA) and National Environmental Policy Act (NEPA) compliance requirements to various federal, state and local agencies, including LFUCG. NHPA assistance has ranged from survey and evaluation strategies and requirements (Section 110), to Section 106 consultation requirements, to the development, negotiation, and implementation of mitigation plans. CRA completes research and survey on thousands of historic properties each year and we are skillful in recommending determinations of National Register eligibility, complying with the Secretary of the Interior's Standards for the Treatment of Historic Structures, and in facilitating regulatory compliance. Our NEPA assistance includes collecting and organizing documentation pertaining to Section 106 coordination in order to complete and append the appropriate sections of NEPA documents. CRA is familiar with the NEPA review process and levels of compliance and is proficient in integrating the NEPA process and the Section 106 process.

The company headquarters are located in Lexington, Kentucky, and we have satellite offices in Colorado, Illinois, Indiana, Ohio, Louisiana, New Mexico, Tennessee, Virginia, West Virginia, and Wyoming. We have completed over 5,600 individual cultural resource management projects for a wide variety of clients throughout the United States. The company has 74 full-time, permanent employees, and we maintain a contact list of over 100 highly-qualified field technicians that have worked for CRA over the past five years. Current full-time archaeology staff at CRA includes 22 Principal Investigators, 20 Field Supervisors, and 12 Field Archaeologists and Laboratory Specialists. Our archaeology team consists of individuals specializing in GIS and other geospatial mapping and analysis, remote sensing and geophysical survey, bioarchaeology, geoarchaeology, paleoethnobotany, prehistoric ceramic technology and replication, prehistoric lithic technology and replication, and zooarchaeology. All archaeological principal investigators or field supervisors at CRA holding master or doctorate degrees are Registered Professional Archaeologist (RPA).

CRA's nine architectural historians/historians (including four principal investigators) offer the full range of technical expertise for the identification, evaluation, documentation, and protection of historic buildings, structures, cemeteries, and landscapes. All of CRA's key personnel meet or exceed the Department of the Interior's Professional Qualification Standards for archaeology, architectural history, or history (36 CFR 61). Other support staff consist of 5 team members in our Information Technology/CADD/GIS departments, 4 team members in our Publications department (report editing, layout, and production), and 10 team members in our Executive Management and Administration departments.

CRA has the staffing, experience, equipment, and facilities to efficiently perform multiple task orders on a wide variety of sites located worldwide. As a Small Business firm providing the full range of services, CRA does not need the extensive use of subconsultants to complete the majority of task orders and is capable of providing cultural resource support for all aspects of any contract. We invite you to visit CRA's website for additional information at www.crai-ky.com.