



# **Statement of Qualifications and Proposal**

# **2008: CITY OF JONESBORO MASTER STREET PLAN RFP**





Associated Engineering and Testing, LLC Civil Engineering - Land Surveying - GIS Consulting - Materials Testing

# **2008: CITY OF JONESBORO MASTER STREET PLAN RFP**

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# **LETTER OF INTEREST:**

January 11, 2008

Mr. Steve Kent, Purchasing Agent Purchasing Department City Hall, City of Jonesboro 515 Washington Avenue Jonesboro, AR 72401

Re: Response to Request For Proposal 2008: City of Jonesboro Master Street Plan RFP

Dear Mr. Kent:

Associated Engineering and Testing, LLC (AET) is pleased to express its interest in providing professional services for the 2008: City of Jonesboro Master Street Plan RFP. AET has demonstrated a successful ability to recruit and work with many national professionals and recruiting appropriate team members that can meet all Federal, State and Local requirements

The AET Team respectfully submits this response and trusts it will address the needs of the City for this important and critical project.

The AET Team brings unparalleled skills, experience, relationships, local knowledge and resources to this project. The AET Team has the only local compatible GIS and GPS System that has successfully demonstrated its capacity to interact with the City of Jonesboro's system. Listed below are some important factors of which to be considered:

- The AET Team has extensive local knowledge an data of the infrastructure in Jonesboro, including the city's control network.
- The AET Team was instrumental in the production of the Southwest Jonesboro Transportation Study.
- The AET Team possesses comprehensive and compatible GIS data set which includes Digital Ortho Photography with field locations tied to NAD83 Arkansas North Zone State Plane Coordinate system units in feet utilizing GPS system.
- The AET Team has developed maps compatible with the City of Jonesboro's GIS system of existing street system within the study area.
- The AET Team uses, on a daily basis, a GIS data set, including Digital Ortho Photography, which is compatible with the City of Jonesboro.
- The AET Team has a successful working history with the City of Jonesboro.

Our combined experience dedicated to traffic engineering and transportation planning is over 447 years.

Please find within our proposal the general information on the AET Team, a display of our experience in similar work, Form SF-254, and resumes of key personnel to be assigned to this project.

Mike Cameron will be the Principal In Charge/Project Manager for the AET Team. All of the AET Team will provide project oversight and traffic analysis, land use issues, planning, public involvement, GIS, evaluation of alternatives, data collection and surveying needs.

Sincerely,

Kenneth L. Scrape, PLS Managing Partner

ASSOCIATED ENGINEERING AND TESTING, LLC

# **INTRODUCTION:**

Associated Engineering and Testing, LLC has a strong presence in and complete commitment to the City of Jonesboro. We believe the key to successful completion of the Master Street Plan projects is to listen and fully understand what you as a client are seeking.

Our comprehensive transportation disciplines include civil, structural and traffic engineers, transportation and environmental planners, construction managers and inspectors, surveying and mapping teams, GIS specialists, and a complete staff of support professionals.

We have completed a number of designs for municipal, state and regional transportation agencies – from minor streets and major arterial roads, to full-scale interstates and regional transportation corridor studies.

As part of the team from the Southwest Jonesboro Transportation Study, we can provide seasoned professionals for this project to work closely with the City of Jonesboro in completing the Master Street Plan. We offer an established firm with relationships with City personnel, familiar with the City and the processes required by the project.

#### **GENERAL PROJECT REQUIREMENTS:**

The AET Team has an existing, City of Jonesboro compatible GIS Data Set, which includes digital Ortho Photography. Our professionals work daily with GIS and GPS, including the utilization of Digital Ortho Photography, that has demonstrated it's compatibility and familiarity with the existing City, County and State software programs on several previous projects. This includes Field Location tied to NAD83 Arkansas North Zone State Plane Coordinates system units in feet, which interfaces and utilizes the City of Jonesboro's GPS Control System. Our team includes professional engineers, surveyors, GIS specialists, CADD designers, and field professionals, all who work in state plane coordinates everyday in the Jonesboro area.

The AET Team has develop maps compatible with the City of Jonesboro's GIS system of he existing street system within the study area.

Our entire team will be readily available to conduct visioning sessions with MPO, City Councils, Planning Commissions and city's administrative staff. We will provide a citizen participation plan to solicit public input throughout the update process. With our local proximity, the AET Team can offer unparalleled on-site service.



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# **QUALIFICATIONS:**

- Similar Projects. The AET Team shared in important roles on the Southwest Jonesboro Transportation Study. Additional projects are listed in the experience section.
- The AET Team has an existing City of Jonesboro Control Network. We've been performing engineering and surveying services for the City of Jonesboro since 1990.
- Availability of Staff to Meet Deadlines and Attend Meetings. The AET Team has technical qualifications and experience on the previous study which establishes our ability to prioritize and meet the project deadlines. Being local ensures a constant and reasonable response to the City of Jonesboro.
- Project Manager Availability and Experience. The AET Team will draw on the experience of its professionals to provide the City with a seamless project within traffic engineering and project management standards.
- Project Staffing and Meeting Project Schedules. The AET Team has the resources available to staff the project, establish project schedules with the City and can begin work tomorrow. We will be immediately available for this project. We have listed the resumes of our key personnel who will be assigned directly to this project.

# The proposed TEAM of those with registered expertise will bring more than <u>447</u> years of direct experience to this project.

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Over the years, the AET Team has developed an excellent working relationship with various departments within the Arkansas Highway and Transportation Department. We began in 1994 by performing construction layout on numerous highway projects through various resident engineer offices. In 1998, we established our materials testing department which required certification through the Arkansas Highway and Transportation Department and close coordination with several departments involved in quality control on multiple projects. In 1999, we pre-qualified with the survey department to perform topographic design surveys throughout the state. In 2002, we qualified with the AHTD survey department to perform boundary right-of-way parcel surveys as well. Also in 2002, we began design work on city street/ sidewalk improvements through a grant program administered by the Arkansas Highway and Transportation Department. During all of these years, we have worked closely with the right-of-way department researching right-of-way information needed for private boundary surveys.

The AET Team's experienced staff consists of seven (7) Registered Engineers and four (4) Registered Land Surveyors.

**Mike Cameron, P.E.** will be assigned as the Principal In Charge/Project Manager of this project. Mike brings to the firm a unique background. As a former Resident Engineer for the Arkansas Highway and Transportation Department (1972-1976) and former Public Works Director/City Engineer for the City of Jonesboro, coupled with his many years of experience in the construction industry.

Mike provides excellent experience and expertise in the area of transportation engineering and project management. As a principal, Mike has authority to make decisions and can command the resources of the entire firm to follow those decisions.

**John Easley, P.E.** will have considerable responsibilities with the project. John's background includes extensive work in project development and management. His extensive experience in transportation planning and layout. He was involved in such projects as Fair Park Blvd., which included traffic counts and patterns used to determine signal parameters. His work on MATA projects and his professional relationship with the Arkansas Highway and Transportation Department make him a valuable part of our team.



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# **OVERVIEW:**

Associated Engineering and Testing, LLC is a seasoned company in its present form, owned by four experienced professionals. Having a staff of twenty-six, who together have had over 150 years of experience in the field of engineering and land surveying.

Partner Mike Cameron bought the company in 1990, and with the addition of Partners John Broadaway, Marvin Day and Managing Partner Kenneth Scrape, Associated Engineering and Testing, LLC has evolved as a regional leader in the engineering, aggregate, concrete & soils testing and land surveying field.

Our demonstrated capacity to recruit national professionals ensure a team of the highest quality. The AET Team's involvement in engineering and land surveying as Associated Engineering and Testing, LLC is geared principally toward the following:

#### **Traffic & Transportation:**

- Traffic Studies
- Street, Highway and Road Design
- Bridge Design
- Parking Studies/Facilities Design
- Traffic Signage Compliance Studies

#### Site Planning/Land Development:

- Residential Subdivisions
- Planned Unit Developments
- Commercial & Industrial Parks
- Shopping Centers & Malls
- Parks and Recreation Areas
- Civil Engineering Design
- Sediment and Erosion Control
- Storm water Runoff Analysis
- Storm water Collection Systems
- Utility Designs
- Expert Testimony



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#### **Environmental Engineering:**

- Insurance rate map revision
- FEMA review and approval
- Water quality specialist
- Hydrologist / Floodplain expert
- Safe Dam Experts
- Alternative analysis
- Cost Evaluations
- Geotechnical services
- Floodplain / Floodway Management Analysis
- Storm water runoff analysis
- Storm water Collection System
- Water Distribution and Pumping Stations
- Water Source and Supply Development
- Infiltration/Inflow Studies
- Wastewater Collection and Pumping System Design
- Stream Modeling
- NPDES Storm Water Permit

#### Parks and Recreation:

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- Athletic Fields and Courts
- Park Planning and Design
- Site Layout and Planning
- Recreational Master Plans

#### Land Surveying:

- Surveying and mapping
- Topographic Surveys
- Highway and Utility Route Surveys
- Easement Acquisitions
- Subdivisions and Land Title Surveys
- Construction Staking
- Ground Control and Aerial Photography
- Wetlands Location Surveys
- Industrial Equipment Layout
- Accident Surveys
- Hydrographic Surveys
- Riparian Surveys
- Cadastral Surveys

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#### **GIS/GPS Services:**

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I - Asset Inventory

- Utilities
- Storm Water
- Infrastructure

#### II - Spatial Data Management

- Creation
- Conversion
- Maintenance

#### III- Support for Project Planning

- Needs
- Organization
- Analysis

#### **Cost/Schedule Control:**

Through years of planning and design of projects the AET Team has implemented a program to effectively organize and successfully complete project assignments. Furthermore, the AET Team has proven its ability to meet project deadlines. The AET Team is committed to performing quality work on time and within budget.

#### Availability:

Personnel resources are available to be assigned tomorrow who will be consistent with the required work program and schedule. The current and anticipated workload of personnel is such as to permit aggressive accomplishment of contract requirements, using highly competent and experienced personnel, which are currently available for immediate assignment.



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# THE AET TEAM RELEVANT EXPERIENCE:

City of Jonesboro 515 Washington Avenue Southwest Jonesboro Transportation Study Jonesboro, Arkansas

The area of study was bounded by Nettleton Avenue on the north, Stadium Boulevard on the east, Lawson Road/ Southwest Drive on the south and Woodsprings Road/Keller's Chapel Road on the west.

The purpose and need for undertaking this study was necessitated by the anticipation of increased future traffic demand due to projected population and economic growth, coupled with proposals to construct new major traffic-generating land developments within the study area, including a new regional shopping center.

A traffic operations analysis was performed for study area intersections to identify future roadway improvement needs to address existing and projected capacity deficiencies. A thoroughfare development plan was prepared to identify the future major thoroughfare network based upon needed system improvements to roadway network gaps and capacity constraints. Short-term and long-term measures that improve traffic operations throughout the study area were identified. Additional strategies to enhance traffic flow, curtail congestion and provide for future population and economic growth of the City were addressed.

Traffic operations analyses were conducted at 29 signalized intersections and 39 unsignalized intersections, to determine the existing and future traffic conditions for Year 2005 and Year 2020. Interim Year (2010) analyses were conducted to help prioritize needs at the same intersections. Future traffic forecasts for the intersections were also developed, based upon analysis of the study area characteristics, existing traffic volume counts, and planned development projects within the study area. Short and long-term capacity deficiencies and improvement options were identified based on Level of Service (LOS) analyses for the existing and forecast traffic volumes.

#### Turtle Creek Partners, LLC 2400 E Highland The Mall at Turtle Creek Development Jonesboro, Arkansas

This project involved evaluating the short-term and long range effects of the proposed development of a major retail development in Jonesboro. This work included data collection to establish existing traffic volumes and projecting future traffic volumes based on future development in a broad study area. Full build-out roadway needs were identified. Implementation of roadway improvements were formulated that included road widening and the installation of traffic signals at major intersections. This project also involved the preparation of complete traffic signal construction plans for a new traffic signal at three intersections accessing the site.

#### City of Jonesboro 515 W. Washington Avenue Jonesboro, AR

Sidewalk Enhancement Project, AHTD Enhancement Program, AHTD Job #100557, FAP STPE-ENHN(288). Contact person: Jim McKinnon. Construction contract amount \$654,000 Preparation of construction plans, bid documents, contract documents, contract administration and construction inspections.

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# THE AET TEAM RELEVANT EXPERIENCE: (Continued)

#### City of Jonesboro 515 W. Washington Avenue Jonesboro, AR

Allen Park Improvements Project, Race Street. Contact person: Jim McKinnon. Preparation of site development plans which included drainage and site planning.

#### Liberty Bank 2901 Highland Drive Jonesboro, AR

Site development including drainage and parking. Contact person: George Krennerich, Brackett-Krennerich & Associates PA Architects.

P&J Development Company Prospect Farms Subdivision Aggie Road at Old Paragould Highway Jonesboro, AR

Development plans for 110 +/- acres for residential purposes. Phase I of project completed. Contact person: John Sloan

Little and Associates 501 South Union Jonesboro, AR

Site development for restaurant project including parking and drainage. Contact person: Hardy Little Complete – summer 2005

Nix Development Corporation 1817 Woodsprings Road Preston Oaks Plantation Estates Jonesboro, AR

Development plans for 97+/- acres for residential purposes. Project includes design for streets, drainage, utilities construction layout. Contact person: Robin Nix.

City of Jonesboro 515 W. Washington Avenue Jonesboro Master Storm Water Drainage Study Pilot Phase Jonesboro, AR

FEMA cross-section surveying and storm sewer inventory and survey. Contact person: John Street

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# THE AET TEAM RELEVANT EXPERIENCE: (Continued)

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#### City of Jonesboro 515 W. Washington Jonesboro, AR

Pipe Inventory

Under a two year contract dated August 8, 2006, AET was authorized to complete a Pipe Inventory for the City of Jonesboro of all drainage pipes that are 18" (inches) and larger. As of September, 2007, 92% complete with 11 months (54%) left on the two year contract. Contact person: Kelly Panneck, City Engineer

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# **OTHER SAMPLING OF OUR EXPERIENCE:**

- Design Widening for Urban Upgrades for the City of San Angelo, San Angelo, TX
- Regional Transportation Improvement/Economic Development Study for the White River Area of Arkansas
- Master plan layout with infrastructure support and report for the Bowling Green Industrial Park, Bowling Green, KY
- St. Francis County Feasibility Study for Truck Mall, St. Francis County, AR
- Evaluation of the Electronic One-Stop Shopping Operational Test for the Colorado DOT

We have provided resumes of key individuals who will be assigned directly to this project for the duration.

We will consult with contractors, as well as material suppliers, to provide "Value Engineering".

The AET Team has a proven track record in program administration to assure -

- Budget items are identified
- Cost effectiveness is utilized

Throughout the design and construction process we will update the program plan, in conjunction with regulatory approval, community input and construction timelines.

We have a long standing relationship with the governmental review agencies.



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# AET CLIENT LIST:

The following is a list of clients with whom we have been fortunate to work:

- Arnold Real Estate Group—Kent Arnold
- Arkansas Highway and Transportation Department
- B B Vance & Sons—Gene Vance
- Bank of Paragould—Glen Burnett
- Brackett-Krennerich, Architects—Jerry Brackett, George Krennerich
- Cahoon Steiling Studio, Architects-Mark Cahoon, Jeff Steiling
- Campus Crest—Tom Odai
- Cavenaugh Motors—Donald Cavenaugh
- Central Chevrolet—Doyle Yarbrough
- City of Jonesboro—Kelly Panneck
- City Water and Light—Kevan Inboden
- Construction Network, Inc.—George Stem
- Crowley's Ridge Development Council-Betty Shaw, Ed Stepp
- Frito-Lay—Boyce Sherrill
- H J H Development—Ron Jefford
- Jonesboro Public Schools-Donn Mixon, Clint Byard
- Jonesboro Real Estate Holdings—Matt Parker
- Liberty Bank—Wallace Fowler
- Lindsey Family Trust—James Lindsey
- Little & Associates, Architects—Hardy Little
- MBC Holdings, LLC—Bruce Burrow
- Nettleton Public Schools—Dr. James Dunivan
- Nix Construction—Robin Nix
- P & J Development—John Sloan
- Sage Meadows Development—Bob Troutt
- St. Bernards RMC-Ben Owens, Jimmy Cooper
- St. Bernards Village—Kevin Hodges
- Tate General Contracting—Wayne Tate
- Turtle Creek Partners, LLC—Bruce Burrow
- Valley View Public Schools-Radius Baker
- Walgreens BCD Ventures—Bo Cox
- Wesley HDC— Betty Shaw
- White River Regional HDC—Betty Shaw

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# **MANAGING PARTNER**

#### Kenneth L. Scrape, PLS

Managing Partner, Registered Land Surveyor Associated Engineering and Testing, LLC

#### **Education:**

Aug 1961-	Jonesboro High School
May 1964	Jonesboro, Arkansas

#### **Registration:**

Professional Land Surveyor Arkansas No. 766 (1975) Florida (inactive) No. 2832 (1975)

#### Membership:

Ark. Society of Professional Land Surveyors East Arkansas Chapter Member Jonesboro Regional Chamber of Commerce

#### **Continuing Education:**

Numerous seminars on Land surveying and business management.

#### **Summary of Professional Experience:**

Mr. Scrape has over forty-three years experience in land surveying, CADD, construction surveying and business management. Over his thirty years as a registered land surveyor, he has been in charge of numerous projects that included right-of-way surveys, boundary surveys on small subdivision lots, boundary/topographic/design/construction staking for projects ranging in size from a few acres upward to thousands of acres. Mr. Scrape, as managing partner of Associated Engineering and Testing, LLC, has maintained a high degree of professional dedication to his clients. This dedication has resulted in a high degree of repeat business.



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# PRINCIPAL IN CHARGE/PROJECT MANAGER

#### John M. Cameron, PE

Partner, Registered Engineer

#### **Education:**

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Jan 1970-	University of Arkansas
Dec 1970	Fayetteville, Arkansas
	B.S. in Civil Engineering
Aug 1969-	Arkansas State University
Dec 1969	Jonesboro, Arkansas
	Major: Civil Engineering
Aug 1967-	University of Arkansas
Dec 1968	Major: Civil Engineering
Aug 1964-	Arkansas State University
May 1967	Major: Civil Engineering
Aug 1961-	Jonesboro High School
May 1964	Jonesboro, Arkansas

#### **Registration:**

Registered Engineer Arkansas No. 3905

Mr. Cameron has over thirty-five years experience in engineering, CADD, construction and business management. Over his thirty years as a registered engineer, he has designed and been in charge of numerous projects that include street and roadway design, storm drainage, bridge design, relocation of roadways, traffic control studies and many other projects outside roadway design. He also held the position of resident engineer with the AHTD from 1972-1976 and the position of director of public works/city engineer for the City of Jonesboro from 1976-1984.

Mr. Cameron still maintains relationships that were developed in the early 1970's with the Arkansas Highway and Transportation Department.



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#### John M. Easley, PE, PLS

Registered Engineer, Registered Land Surveyor Project Manager

#### **Education:**

Arkansas State University, Jonesboro, Arkansas **B.S. in Engineering (Civil)** 

**CTTP Certified**, University of Arkansas Fayetteville, Arkansas

**ACI Certified**, University of Arkansas Fayetteville, Arkansas

#### **Registration:**

Registered Engineer Arkansas No. 9815 Registered Land Surveyor Arkansas No. 1314

#### Membership:

Ark. Society of Professional Surveyors American Society of Civil Engineers Jonesboro Regional Chamber of Commerce

#### **Continuing Education:**

Seminars on Engineering, Surveying, Concrete testing, Soils and Aggregate Testing and Project Management

Mr. Easley has over twenty years of experience in design, construction, technical services, CADD, material testing, land surveying and project management. He has been involved in several MATA street projects as well as street design for subdivision developments. He has worked closely with the Arkansas Highway and Transportation Department on local projects and performed design surveys around the area. His experience includes site development on various projects in the private and public sector, construction layout and inspection and administrative duties. These projects also include working with various clients such as architects, engineers, contractors, utility companies, developers and local government.



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Registered Forester GIS Specialist Associated Engineering and Testing, LLC

#### **Education:**

Rison High School, 1992 Rison, Arkansas

#### **Bachelor of Science in Forestry, 1996**

University of Arkansas, Monticello Monticello, Arkansas

#### Master of Forestry, Spatial Data Analysis, 1999

Colorado State University Fort Collins, Colorado

#### **Registration:**

Registered Forester Arkansas No. 819

#### Memberships:

Arkansas GIS Users Forum Arkansas Forestry Association

#### **Continuing Education:**

2006: Arkansas Water Resources Conference, Little Rock, AR FIA (Forest Inventory and Analysis) Data Workshop, Monticello, AR

Mr. Duran has worked with spatial data and technologies for over eight years since earning his Master's degree in 1999. Before joining Associated Engineering and Testing (AET) in August 2006, his professional focus and specialization was applying spatial technologies (GIS, GPS, remote sensing, etc.) to natural resources management. Mr. Duran is also a registered forester in the state of Arkansas and brings unique knowledge of forest ecosystems and operations to the AET team. AET added Mr. Duran to its staff in order to enhance its ability to manage the specialized data sets associated with geographic information systems (GIS) and expand its services into these growing technologies.



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#### Troy L. Sheets, PLS

Registered Land Surveyor Surveyor/Mapper Associated Engineering and Testing, LLC

#### **Education:**

Walnut Ridge High School Walnut Ridge, Arkansas

#### **Registration:**

Registered Land Surveyor Arkansas No. 596

#### Membership:

Ark. Society of Professional Land Surveyors (ASPS) Past President Northeast Arkansas Chapter of ASPS Jonesboro Regional Chamber of Commerce

#### **Continuing Education:**

Seminars on Land Surveying and Management

Mr. Sheets has over forty-five years experience in land surveying and business management. He owned and operated his own business for twenty-seven years. During this time he completed numerous projects consisting of boundary surveys, platting of subdivision lots and large acreage surveys, topographic surveys for large corporations, subdivision design and construction stake-out for several large businesses. As owner/operator of his business, Mr. Sheets has developed a reputation for integrity and professionalism with his clients resulting in repeat business.



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#### Marvin E. Day, PE Partner, Professional Engineer

#### **Education:**

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Aug 1989-	University of Arkansas
Dec 1992	Fayetteville, Arkansas
	B.S. in Civil Engineering
Aug 1988-	University of Texas
May 1989	Austin, Texas
	Major: Civil Engineering
Aug 1985-	Jonesboro High School
Jun 1988	Jonesboro, Arkansas
Mar 1998	CTTP Certified
	University of Arkansas
	Fayetteville, Arkansas

#### **Registration:**

Professional Engineer Arkansas No. 10632

#### **Continuing Education:**

Seminars on Engineering and Management

Mr. Day has fourteen years experience at Cameron Construction Company, Inc. and Associated Engineering and Testing, LLC. His experience is extensive in the following:

- Estimating
- Project Management
- Business Management
- Street, highway and road design
- Bridge design
- Storm drain design
- Traffic control design
- Estimates for each phase of a project
- Construction layout
- Cost control
- Schedule control
- Supervision of on-site superintendents
- Site Inspection
- Safety control



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#### EDUCATION:

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LAMAR UNIVERSITY (Beaumont, Texas) B.S.C.E. / General Civil, August 1982

UNIVERSITY OF TENNESSEE (Knoxville, Tennessee) M.S.C.E. / Public Works, December 1992

#### PROFESSIONAL:

Registered Professional Engineer: Alabama, Arkansas, Florida, Georgia, Indiana, Kentucky, Louisiana, Mississippi, Tennessee, Texas, and South Carolina.

Memberships:

American Society of Civil Engineers (Member) Engineers Association of Nashville (President-1993)

#### Publications:

- "Case Study: Steele Creek Dam Safety Analysis, Bristol, Tennessee", WATERPOWER '91.
- "Steele Creek Dam Safety Analysis", Tennessee Public Works Magazine, March, 1992.
- "Evaluating Spillway Adequacy of Dams in the State of Tennessee", Masters' Non-Thesis Paper, November, 1992.
- "Incremental Hazard Evaluation (IHE): An Alternative to Evaluate Inadequate Spillways", ASDSO Southeastern Regional Conference, June 1996 & Arkansas Dam Safety Public Awareness, July 1997.
- "Unmixing: Oil/Water Separators for Stormwater Treatment", author, Carol Brozozowski, Stormwater, The journal for Surface Water Quality Professionals, May/June 2003, Professional Interview Given by Bernie Auld, PE of BA Engineering.

#### SUMMARY OF PROFESSIONAL EXPERIENCE:

25+ years of engineering design with review analysis for compliance with applicable standards of municipal, industrial, state and federal projects including residential developments, special housing authorities, and Safe Dams. Experience encompasses engineering and site developments with infrastructural support. Included are both highway and roadway designs for municipal urban street widening and interstate designs including infrastructural support. Also included is hydrological/hydraulics review and design experience for storm water drainage, FEMA backwater analyses, flood studies and state dams safety analyses.

Responsibilities incorporated coordination of federal funded projects, technical specifications, bidding procedures, budgeting, contract documents and construction coordination.

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#### STREET, ROADWAY, HIGHWAY AND OTHER RELATED EXPERIENCE:

Anderson Road, Nashville, TN - Design widening of 1-mile of street and drainage, including construction coordination and supervision.

Oak Street Bridge, Nashville, TN - Bridge replacement program, construction coordination and supervision.

The Mall @ Turtle Creek, Jonesboro, Arkansas – Design and layout of 79-acre development for regional mall. Phasing of major anchor tenants to provide civil design and infrastructure support per each requirement.

I-840, Wilson and Rutherford Counties, TN - Preliminary design and layout for interchange of I-840/US-70S and I-840/Sulfur Springs Road.

I-40 Modification and U.S. 70S Widening, Nashville, TN - Design widening and modifications to interstate/state interchange and highway including new entrance ramp to serve regional mall.

State Route 251, Nashville, TN - Engineering for 3-miles of urban highway drainage and FEMA flood analysis for Tennessee Department of Transportation.

Highway 183 and Highway 287 Industrial Parks, Arlington, TX - Design and construction coordinator for office warehouse buildings within a 10-acre and 25-acre sites.

Sawyer Brown Road, Nashville, TN - Design widening of 0.5-miles of roadway, including traffic control, relocation of support utilities and drainage to serve regional mall.

Donelson Pike Relocation, Nashville, TN - Design of multiphased relocation of 1-mile section of state roadway, including 4-lane highway, 2 ramps and grade separation bridge.

City of San Angelo, San Angelo, TX - Evaluation of streets city wide for pavement management seal coat program including bid specifications and construction documents.

Old Hickory Boulevard, Nashville, TN - Design 1-mile of roadway and culvert design with railroad bridge crossing including construction coordination and supervision.

Steele Creek Dam, Bristol, TN - Generate probable maximum storm hydrograph with reservoir routing and dam breach analysis including backwater analysis for downstream flood prone areas. Risk analysis provided for recommendations to the state for compliance with safe dams regulations.

Lake Loch Lomond and Lake Ann Dams, Bella Vista, AR - Generate probable maximum hydrograph with reservoir routing and dam breach analysis including backwater analysis for downstream flood prone areas. Risk analysis provided for recommendations to the state for compliance with safe dams regulations for Emergency Action Plans.

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Fayetteville Dam, Fayetteville, AR - Generate probable maximum hydrograph with reservoir routing and dam breach analysis including backwater analysis for downstream flood prone areas. Risk analysis provided for recommendations to the state for compliance with safe dams regulations for Emergency Action Plans.

DuPont Trade Waste Dam, Old Hickory, TN - Generate hydrographs for reservoir routing and safe dams analysis for state regulatory purposes.

Y-12 Ash Pond Dam, Oak Ridge, TN (Special Design Engineer for Martin Marietta and Department of Energy)- Provide spillway analysis with recommended configuration and design for state dams safety analysis.

Turtle Creek, Jonesboro, AR - Revise existing FEMA study to realign creek for proposed Mall development. Approximately 525+ structures were identified for floodplain removal. Inclusion of 9acre over-bank storage improvements for Letter of Map Revision (LOMR) approval and revision of current FEMA maps.

Whiteman's Creek, Jonesboro, AR - Revise existing FEMA study to realign creek for proposed development through 0.5 mile length that includes 4 separate developments through reach. Inclusion of new bridge-ways and roadway improvements for Letter of Map Revision (LOMR) approval and revision of current FEMA maps.

Butler's Ditch, Jonesboro, AR - Analysis of existing backwater condition for recommendations of new bridge replacement program to lower current flood elevations within proposed Technical Park for developmental purposes. Coordinate proposed findings with Corps of Engineers to allocate Federal Funding for channel improvements to farther reduce flood elevations.

Jack Bayou Tributary #1, Jacksonville, AR - Revise existing FEMA maps for large commercial development. Includes weir insertion within creek for regional detention and wetlands mitigation within detained area. Approval of LOMR and new FEMA maps for City of Jacksonville.

Collins Creek, Pages Branch and Stoner Creek, Davidson County, TN - Extend existing FEMA studies to establish flood profiles and floodway analysis for map revisions.

Turkey Creek, Knox County, TN - Backwater analysis for bridge insertion and containment of 500-year storm frequency event within closed system including analysis for two phase construction sequencing.

Cedar Forest, Cross Creek, Mill Creek, Flatt Creek & Sorghum Branch, Davidson County, TN - Backwater and sensitivity analysis to determine existing and design conditions within flood prone areas.

Stones River, Seven Mile Creek, West Branch Hamilton Creek and Sorghum Branch, Davidson, County - Backwater analysis including bridge insertion.



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Twin Oaks drainage channel, San Angelo, TX - Drainage and culvert analysis for flood prone areas within proposed subdivision.

#### RELATIVE PROJECT EXPERIENCE:

Corps of Engineers, Fort Campbell, KY - Field survey and design for improvements to Army Heliport and access roads for prevention of erosion problems within camp compound.

Weatherly Estates, design and master plan of 200-400 lot subdivision including all infrastructure support. Included are all permitting and review agency submittal, approval and coordination. Sites within Clarksville, TN and Nashville, TN

McDonald's Corporation – Design for new, rebuild and site improvements for 125+ McDonald's in Southeast US. Projects include site layout, service utilities, grading, erosion control, landscape layout, and details.

Steak'n Shake Restaurants - Responsibilities include preliminary and final cost estimates for projects, Site investigation reports, City permitting, Site development plans including site, grading, erosion, utility, landscape plans for 10+ Steak'n Shake Restaurants.

Wal-Mart Stores, Inc. - Design for new, rebuild and site improvements for 10+ Wal-Mart Stores in Southeast US. Projects include site layout, service utilities, grading, erosion control, landscape layout, and details.

Extended Stay America Hotels - Prepared site development plans for submittal to local and state agencies, Client coordination, Landscape and irrigation design, Sanitary sewer and storm sewer design, Earthwork calculations for 5+ hotels in Southeastern US.

State of Tennessee UST Project - Prepared plans and specifications for UST and AST removal and installation for submittal to state agencies for state owned UST and AST.

Turtle Shores Subdivision - St. Augustine, FL: Developed Phase II and Phase III plans, Prepared site development plans for construction and permitting, including lot layout for most efficient use of land, sanitary sewer design including plan and profile sheets, roadway design including plan and profiles, Client correspondence.

Urology Associates, Inc. Nashville, TN – Civil design and layout for regional surgical center.

Hickory Manor Phase II, Nashville, TN – Design and layout for 163-unit tax credit property.

Dupree Farms, Jacksonville, AR – 263-acre property, design includes Master-plan Layout for Retail, Restaurant, Office, Warehouse, Single and Multi-Family Residential.

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ASSOCIATED ENGINEERING AND TESTING, LLC

(Continued)

Nashville Zoo @ Grassmere, Nashville, TN – design and layout for animal exhibits within zoo property. Exhibits include: Jungle Terrace, Bamboo Trails, African Plans Elephant, Unseen New World, Quarantine, and Commissary.

Community Tectonics, LLC – Civil Engineers for multiple HUD projects within Lewisburg, Wartburg and Centerville, TN.

Metro Nashville International Airport, Nashville, TN - Design of 4,200-vehicle parking facility including interstate interchange, ring-road, service utilities, 12,000 lf of storm drainage network, signing, paving and parking control systems to serve new airport.

29th Street Recreational Area Phase II, San Angelo, TX - Design expansion of recreational facility and sports complex for multipurpose use.

Deer Park Subdivision, Mt. Juliet, TN - Subdivision layout and street design with storm drainage system for single-family lots.

Forest View Park Subdivision, Nashville, TN - Subdivision layout and street design including support infrastructure for single-family lots.

City of San Angelo, San Angelo, TX - Design widening for urban upgrades for 10-miles of various streets within the corporate city limits, including service utilities, construction coordination and inspection.

J.C. Penney Distribution Center, Harrisonburg, VA - Design layout of 2-million sf. distribution center within 120-ac. site. Engineering plans incorporate infrastructural support utilities including environmentally sensitive storm runoff.

Bowling Green Industrial Park, Bowling Green, KY - Master-plan layout with infrastructural support and report for 162-acre site for a planned industrial park.

Inter-City Products, Lewisburg, TN - Master-plan layout for warehouse expansion and infrastructural relocation for 300,000 sf. operations facilities.

Saturn, Spring Hill, TN - Misc. design and layout improvements for support facilities engineering.

Solid Waste Landfill, San Angelo, TX - Inspect installation of clay liner for solid waste landfill.

Bridgestone U.S.A., McMinville, TN (Sr. Engineer)- Design layout of Employees Services Facilities and support services to Banbury Facilities. Design includes all infrastructural support with site access.

Alcan Recycling, Sebree, KY (Sr. Engineer)- Design layout for electrical expansion of aluminum smelting facilities.

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ASSOCIATED ENGINEERING AND TESTING, LLC

(Continued)

#### **EMPLOYMENT HISTORY:**

BA Engineering August 1997 to Present President

CEI Engineering Associates, Inc. (Nashville, Tennessee) May 1993 to August 1997 Regional Manager

Lockwood Greene Engineers, Inc. (Nashville, Tennessee) September 1989 to October 1992 Senior Civil Engineer

Barge, Waggoner, Sumner and Cannon (Nashville, Tennessee) October 1985 to September 1989 Civil Project Engineer

Graham Associates, Inc. (Arlington, Texas) May 1985 to September 1985 Civil Staff Engineer

Arlington Engineering Co. (Arlington, Texas) October 1984 to May 1985 Special Assigned Civil Staff Engineer

City of San Angelo (San Angelo, Texas) December 1983 to October 1984 Engineer in Training (EIT)

<u>HONORS AND AWARDS:</u> Athletic Scholarship; 3-year letterman; Coaches Award, 1981; Team Representative "L" Association.



ASSOCIATED ENGINEERING AND TESTING, LLC

Henry P. Jones III

Henry spent over a quarter of a century bring roads and improving roads to Jonesboro. He has a complete understanding and has demonstrated his capacity to find funding and support for better roads. His resume is attached.



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# Henry P. Jones III

Henry P. Jones III is the Past President and CEO of the Jonesboro Regional Chamber of Commerce, having served as the chief paid executive of that organization since January 1, 1981. He currently serves as the Economic Development Consultant for the organization. He came to Jonesboro from Little Rock, where he was Executive Vice President of the Greater Little Rock Chamber of Commerce.

He is a graduate of Arkansas State University. He has completed the various Institutes for Organization Management sponsored by the U.S. Chamber of Commerce at the University of Houston, SMU and TCU. He has also completed the Academy of Organization Management at Notre Dame, and is a graduate of the Economic Development Institute at the University of Oklahoma.

He is in his 46<sup>th</sup> year in organizational management; he began his career on the staff of the Pine Bluff Chamber of Commerce. He has served as Chamber of Commerce executive at Stuttgart, El Dorado and North Little Rock, as well as Executive Director of the East Arkansas Planning and Development District.

He is a past president of the Arkansas Chamber of Commerce Executives, the Arkansas Association of Development Districts and the Economic Developers of Arkansas and is a past member of the Board of the Arkansas State Chamber of Commerce. In 1989, he was presented a Distinguished Service Award by the College of Business at ASU. In 1993, he was awarded a Pioneer Award by the Economic Developers of Arkansas. In 2002, the EDA presented him with the Outstanding Economic Developer Award. In 2004 the ASU College of Business Alumni Association named Jones the Business Executive of the Year.

He is a past chairman of the Administrative Board of First United Methodist Church – Jonesboro, member of the Rotary Club of Jonesboro and the American Legion. He is a life member of the ASU Alumni Association, as well as a member of the Indian Club.

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A ASSOCIATED ENGINEERING AND TESTING, LLC

# Henry P. Jones III

(Continued)

He has also been responsible for the recruitment of several companies to Jonesboro, among them:

Farr APC (Existing Building) Established: 1986

Butterball LLC (Greenfield) Established: 1990

Crane Composites (Greenfield) Established: 1989

Frito-Lay, Inc. (Greenfield) Established: 1996

Great Dane Trailers LLC (Existing Building) Established: 2002

Kraft Foods - Post Division (Greenfield) Established: 1988

Nestlé (Greenfield) Established: 2001

Optus, Inc. (Greenfield) Established: 1996

Thomas & Betts Corporation (Existing Building) Established: 1994

He and his wife, Julia, have two sons, both ASU grads, one daughter, a graduate of the University of Memphis and the interior designer at Brackett & Krennerich, Jonesboro & Fayetteville, two grandsons, and a granddaughter.



Associated engineering and testing, llc

# **PROCESS and CONCEPTS:**

The AET Team has an in-house GIS and web based inventory that parallels the City of Jonesboro system. The AET Team is comfortable with their accessibility to accurate information. In reference to the Master Street Plan, the inventory system is already recorded and organized to require minimal time to update. We foresee that 11% of the 28 listed Components/Areas of Consideration would require full production activity and 89% would require updating and clarification. Therefore, we are confident that the AET Team can offer the most expeditious schedule for completion (QUICK SCHEDULES OF DELIVERABLES)

# COMPONENTS/AREAS OF CONSIDERATION/PROCESS

- 1. Collect existing and historic data/documentation from the Cities, Craighead County Engineering and Planning Offices, and the Metropolitan Area Planning Commission and various planning commissions in the MPO Urbanized Area.
- 2. Review the exiting Thoroughfare Plans and the current Comprehensive Plans. The review will include an analysis of anticipated future land uses and their spatial relationships to the existing and proposed transportation network of the MPO Urbanized Area.
- 3. Inventory Existing Right of Ways/Widths.
- 4. Review existing population projections and population characteristics (age composition, household/family size, etc.) to assure the most current information is being used. These projections will be utilized as a basis for future traffic generations.
- 5. Review existing and historical traffic counts obtained by the city, Arkansas State Highway and Transportation Department (AHTD) (or any other entities) to identify heavily traveled corridors, underutilized roadways and determine general traffic flow patterns.
- 6. Identify existing and anticipated roadway capacity problems based on existing traffic counts and proposed traffic congestions. The consultant shall develop a template showing a reasonable traffic volume that can be accommodated by any roadway based on the number of lanes. If any street classified as a collector and/or arterial is anticipated to carry more traffic than the defined reasonable number of vehicles, then that section will be identified as deficient.

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ASSOCIATED ENGINEERING AND TESTING, LLC

# **PROCESS and CONCEPTS:**

(Continued)

- 7. Prepare a list of capacity improvement alternatives based on the results of item 5 above. The capacity improvement alternatives will include new links, roadway widening, intersection capacity improvements, and alignment corrections.
- 8. Prepare planning level cost estimates for improvements identified in item 6 above.
- 9. Prepare a written report related to the thoroughfare plan.
- 10. Conduct public meetings throughout the development of the thoroughfare plan. The meetings will be "open house" style with work and draft materials on display over an extended period of time, at least for three (3 hours). The public should be able to visit and review work and discuss issues of interest one-on-one with city and consultant staff. The public will have the capability of providing both written and oral communications to staff at the meetings. The consultant shall be responsible for providing all displays, comment cards, and meeting minutes for each meeting.
- 11. Identification of the Existing Plans
- 12. Responsibility and Authority
- 13. Inventor of Existing Right of Ways/Widths
- 14. Future Proposed Arterials / Collectors / Extensions / Improvements / Widening
- 15. Coordination of other City, County or State Transportation Studies and/or Plans
- 16. Functional Classification including cross sections
- 17. Public Right-of-Way and Geometric Design Standards showing bikeways, walkways, buffers and medians.
- 18. Roadway and process Requirements
- 19. Road Zones
- 20. Minimum Requirements
- 21. Zonal Options
- 22. Plat Approval
- 23. Policy/Procedure/Acceptance of Street & Roads
- 24. Penalty for Non-Compliance
- 25. Notification of Road Work
- 26. Road Names
- 27. Flood Hazard Areas
- 28. Private or Commercial Drives



<u>Associated engineering and testing, llc</u>

## **PUBLIC INVOLVEMENT PROGRAMS:**

- Informal workshops
- Newsletters
- Project web site tied into City of Jonesboro TV Channel to be shown twice a day until project is completed plus one year afterwards.
- Project storefront information offices
- Public hearings will be conducted throughout the development of the project. The meetings will be "open house" style with work and draft materials on display over an extended period of time, a minimum of three (3) hours. The public will be able to visit, review work and discuss issued of interest one-on-one with city and consultant staff. The public will have the capability of providing both written and oral communications to staff at the meetings. The AET Team will be responsible for providing all displays, comment cards, and meeting minutes for each meeting.
- Placing project description and updates on the City of Jonesboro web site.
- Graphics, workshop handouts, and other exhibits
- Targeted project mailing lists to maintain citizen awareness of progress

# AGENCY COORDINATION:

- Identification of appropriate local, state, and federal agencies.
- Thorough documentation of all agency coordination activities, including meetings, emails, and telephone conversations



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### **NEPA COMPLIANCE:**

Members of the Associated Engineering and Testing staff and consultants have extensive experience in the preparation of environmental assessments, overviews, and impact statements. You can expect the reports to cover primary and identified areas of impacts to include land use, socioeconomic, water quality, visual, historic and archaeological resources, fish and wildlife resources, noise, wetlands and air quality. We have experience in:

- Section 106 of the National Historic Preservation Act, which relates to properties on or eligible for the National Register of Historic Places.
- Section 404 permit preparation
- Wetland and floodplain resources, including wetland delineation, design and construction monitoring of new wetlands.
- Design visualization through computerized simulations showing the before and after views.
- Section Seven of the Threatened and Endangered Species Act
- Socioeconomic impacts and environmental justice for individual and cumulative impacts to communities, regions and other areas.
- Prime and unique farmland assessment, in accordance and compliance with the Farmland Preservation Act.

# **PROGRAMMING:**

- Identification of goals, objectives, and facts about the project
- Solicitation of input from the public in group meetings and workshops to obtain ideas about needs and concepts related to improving transportation in the community
- Conduct public meetings throughout the development of the thoroughfare plan. The meetings will be "open house" style with work and draft materials on display over an extended period of time, at least for three (3 hours). The public should be able to visit and review work and discuss issues of interest one-on-one with city and consultant staff. The public will have the capability of providing both written and oral communications to staff at the meetings. The consultant shall be responsible for providing all displays, comment cards, and meeting minutes for each meeting
- Recording input graphically on analysis cards
- Development of evaluation criteria for alternatives based upon information on the analysis cards

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## **PROGRAMMING:**

(Continued)

- Interaction with the pubic to evaluate the alternatives •
- Graphically illustrate the results of public workshops to reflect public input and to recom-• mend preferred design alternatives.
- Interface information with City of Jonesboro Web Site and City of Jonesboro TV channel. •



Associated engineering and testing, LLC

**IN-HOUSE EXPERIENCE:** 

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HENRY JONES	46 YEARS
TROY SHEETS	45 YEARS
KENNETH SCRAPE	43 YEARS
MIKE CAMERON	35 YEARS
BERNIE AULD	24 YEARS
JOHN EASLEY	20 YEARS
MARVINI DAY	14 YEARS
LEANN PHILLIPS JONATHAN DURAN CONSULTANTS & SUPPORT STAFF	14 TEARS 12 YEARS 11 YEARS 197 YEARS

#### **COMBINED TEAM 447+ YEARS**

Associated engineering and testing, LLC

# **REGISTERED PERSONNEL**



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ASSOCIATED ENGINEERING AND TESTING, LLC

# **DELAYS BEYOND CONTROL OF ENGINEERS**

While we are unable to guarantee that there will not be delays in the project, those delays will be a result of unusual weather conditions, or changes by the owner's decisions.

# **METHOD OF PREPARING COST ESTIMATES**

Standard and acceptable construction pricing methods will be used to prepare each required cost center. Thus, we will be able to determine acceptable and reasonable cost with value cost management for the least expense.

# CHANGE OF PROJECT SCOPE BEYOND CONTROL OF ENGINEERS

In accordance with our experience, changes of project scope beyond the control of the engineers usually are a result of unusual weather conditions or those requested by the owner.



ASSOCIATED ENGINEERING AND TESTING, LLC

# GENERAL PROJECT STEPS

# **METHODOLOGY**

**PROJECT SETUP** – Upon signing a successful contract, it will take **three weeks** to establish VISION Meeting date(s) and conduct said meetings with the MPO, City Council, Planning Commission and cities administrative staff. Meetings will be held in convenient locations and at reasonable times to facilitate said meetings. A facilitator will provide direction and leadership to each meeting. Minutes/Notes will be maintained by the Contractor and provided to all participants, press, private citizens or any group that request said documents

Agency Coordination – There will be a need for "on-going" coordination between the appropriate local, state and federal agencies. This will include the identification of appropriate local, state and federal agencies. It should be noted that AET has an ongoing working relationship with the AHTD and is thoroughly familiar with all contracting and accounting requirements of AHTD, the Federal Transportation Commission and the U.S. DEPARTMNT OF TRANSPORTATION. AET is the only applicant with this experience. AET will use thorough documentation of all agency coordination activities, including meetings, emails, phone conversations and other required written communications. AET has an established and "ongoing" working relationship with the City of Jonesboro. AET is proud of it's city and the employees of the City of Jonesboro.

END RESULT: A collective VISION, based upon VISION MEETINGS, will direct and influence the planning phase and ending reports based upon information and concepts presented in meeting(s).

# DATA COLLECTION – Please refer to attached TASKS AND SCHEDULE FOR PROJECT START AND COMPLETION DATE

**Data Collection** – City of Jonesboro will provide the inventory list of city documents/plans. AET will work closely with MPO and City Planning to ensure that all documents, minutes of meetings, notes, etc. are received. We ask that the City of Jonesboro make all documents available at the time of contract execution.

Public Involvement – Prior to the publication of Work Sessions, AET will meet with the MPO and the Planning Department to ensure full awareness and understanding of the proposed Master Street Plan in Draft form. Work Sessions with an emphasis of public input will be established to happen during a three week period in July. We proposed six (6) work sessions that will be located in each Precinct. Our staff in conjunction with the City of Jonesboro will provide information to the news media talking about the Master Street Plan, requesting citizens participation, emails will be sent to "blast" lists inviting citizens to come to the scheduled work meetings that includes dates, locations, times and purpose. Hopefully, the Master Street Plan can be aired on the Noon Show on KAIT-TV. Greg Chance, with ASU, will be asked to interview key players. The Jonesboro Sun will be requested to do a feature article and publish dates, locations and times for sessions. All radio stations will be sent press releases and requested to provide information to the pubic. Each work session will include tables, chairs, and proposed master plans that can be drawn/written on by citizens. Staffing for each session will include MPO and Planning Department personnel, AET staff and other pertinent personnel.

In follow-up, there will be at least three more public work session, as plans are finalized. A preference would be given to holding said session in a central location with tables, and chairs and work area.

An email list would be maintained of anyone that attended any work session. Notice of future meetings could be sent to all planning bodies, commissions, participants and the press. We will comply with the FOI Statute of Arkansas and ensure that the meetings and records of said meetings for the Master Street Plan are in full compliance.

A Project Storefront office will be established where anyone can stop by and review the plan, as it is developed and provide input. This office shall be assessable and convenient for citizens, commission members, city employees and staff.

(Continued)



ASSOCIATED ENGINEERING AND TESTING, LLC

#### **GENERAL PROJCT STEPS**

#### **METHODOLOGY**

(Continued)

As the project proceeds and progresses, updates shall be placed on the City of Jonesboro web site and cable station.

Graphics will be used to explain the progress to all media, citizens, commissions, committees, etc.

Targeted project mailing lists to maintain citizen awareness and keep information fluid will be used.

Inventory and Analysis of Existing Facilities and Adopted Studies/Plan - AET has the majority of the Inventory List of City Documents and has more documents in their control than any other firm applying for this contract. AET has demonstrated a long and strong commitment to the City of Jonesboro in support of the Master Street Plan. Because of their commitment and local status, AET should be selected. At this time AET is using many of these documents in other contract work. Thus that have a working knowledge that no other engineering firms/applicant will have. This will allow AET to "hit the floor running" with the proposed project and should increase the opportunity for a successful project.

NEPA COMPLAINCE - It is important that the contract provider, which we hope will be Associated Engineering and Testing (AET), has extensive experience in the preparation of environmental assessments, overviews, and impact statements in accordance with national standards. Reports from AET will cover the primary and identified areas of impacts to include land use, socioeconomic, water quality, visual, historic and archaeological resources, fish and wildlife resources, noise, wetlands and air quality. AET has successful experience in:

- Section 106 of the National Historic Preservation Act, which related to properties on or eligible for the National Registry of Historic Places
- Section 404 permit preparation
- Wetland and Floodplain resources, including wetland delineation, design and construction monitoring of new wetlands
- Design visualization through computerized simulations showing the before after views
- Section Seven of the Threatened and Endangered Species Act
- Socioeconomic impacts and environmental justice for individual and cumulative impacts to communities, regions and other areas.
- Prime and unique farmland assessment, in accordance and compliance with the Farmland Preservation Act

Identification of Existing Deficiencies and Traffic Conditions - The process of identifying the existing deficiencies and traffic conditions will be a product of reviewing all items on the inventory list, new information secured from public bodies and historical information that AET has collected with their work on streets, traffic studies, and from various other sources. Existing Deficiencies and Traffic Conditions reports will be prepared, disbursed to appropriate agencies and individuals, and used as a main document in the preparation of the Master Street Plan.

Travel Demand Forecast – AET is a local firm with all identified consultants are local. The only travel will be local, except for any travel to Little Rock to meet with AHTD. Any travel will be very minor, if not non-existent should AET be selected as the provider.

ANOTHER IMPORTANT POINT TO REMEMBER - AET staff will be local and very accessible to this project. No one will have to come from out-of-area to provide services, attend meetings, answer questions, etc.

(Continued)

ASSOCIATED ENGINEERING AND TESTING, LLC

## **GENERAL PROJCT STEPS**

# **METHODOLOGY**

(Continued)

Analysis of Needs – The Analysis of Needs will be evaluated based upon provided data, as well as collected data. There will visual observation of all roads, intersections, potential roads, streets, traffic flow, right-of-way and any area that demonstrates a need for further investigation. Pictures will be taken, Maps collected, new maps and other graphics developed that are required to complete an accurate analysis of need. The Analysis of Need will be a integral part of the Master Street Plan. Due to AET having a working knowledge of the existing streets, majority of plans and daily driving knowledge of the Jonesboro road system, they have prior knowledge and understanding of the Jonesboro system. This will be a benefit to the proposed project.

#### Recommendations

AET certifies that:

- all deliverables will be compatible with the existing GIS data set including Digital Ortho Photography. AET has played an instrumental role with the existing Jonesboro GIS system and has the only local GIS system compatible with the City of Jonesboro of all applicants.
- all Field locations will be tied to NAD83 Arkansas North Zone State Plane Coordinate system units in feet, utilizing the City of Jonesboro GPS system. The GPS antennae is located contiguous to AET office facilities.
- the compatibility of ALL developed maps to the City of Jonesboro GIS system of existing street system within the study area.

**Establishment of Policies and Regulations** – The existing city policies and regulations will be reviewed and determined if said policies and regulation require alteration, which can include new policies and regulations, revision of existing policies or the deletion of existing policies and regulations. These recommendations and establishment of more effective policies and regulations will be driven by the data collected, recommendations of committees, commissions and private citizens. AET will follow existing procedures as defined by City of Jonesboro Codes. A joint approach will be utilized to secure approval and establishment of the updated policies and regulations.

**Reports Drafts, Hearings, Meetings – Please refer to the above description of Public involvement for some information.** All reports drafts, hearing notes and recordings, and meetings results will be prepared by AET in digital and written form. Each meeting will include a "clerk" for such purposes. Disbursement of said documents will be posted on the city website, a newly established website for the Jonesboro Master Street Plan with hard copies kept at AET and the Project Office. Copies of said reports will be disbursed to the MPO, the City of Jonesboro Planning Office, private citizens and other identified groups or agencies. Summaries will be prepared as the final reaches finalization to establish "why" recommendations have been determined.

Final Plan Adoption – Once the final plan is prepared, multiple hard copies will be made in addition to posting the plan on the City of Jonesboro website, posting the plan the project specific website and a summary on the City of Jonesboro cable station. Final meetings will be established with the public (2 meetings), the MPO, the Planning Department and MAPC, the City Council and other appropriate agencies for the purpose of:

presenting the final plan procuring the approval and/or approval recommendation

The final plan will include graphics, written and recommendations.





# PROJECT TASKS, WORKPLAN AND TIMEFRAME

Start dates will be dependent upon signing of contract. We are projecting start and finish dates based upon hours to complete tasks, recognizing that the start and finish dates will be impacted upon the approval of the MPO and City of Jonesboro.

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Item	Start Date	Finish Date	Hrs.	Scope of Services
1.	03/01/08	03/10/08	90	Collect existing and historic data/documentation from the Cities, Craighead County Engineering and Planning Offices, and the Metropolitan Area Plan ning Commission and various planning commissions in the MPO Urbanized Area.
2.	03/11/08	05/01/08	95	Review the existing Thoroughfare Plans and the current Comprehensive Plans. The review will include an analysis of anticipated future land uses and their spatial relationships to the existing and proposed transportation network of the MPO Urbanized Area.
3.	03/11/08	05/01/08	200	Inventory of Existing Right of Ways/Widths. Combine previous studies and information to the extent that the data can be manipulated within the GIS for mat. Does not include title research or field work to verify existing available data.
4.	03/11/08	05/01/08	325	Review existing population projections and population characteristics (age composition, household/family size, etc.) to assure the most current informa tion is being used. These projections will be utilized as a basis for future traf fic generations.
5.	03/11/08	05/01/08	120	Review existing and historical traffic counts obtained by the city, Arkansas State Highway and Transportation Department (AHTD) (or any other entities) to identify heavily traveled corridors, underutilized roadways and determine general traffic flow patterns.
				(Items 2, 3, 4 and 5 can run concurrently)
6.	04/01/08	05/20/08	150	Review existing and anticipated roadway capacity problems based on existing traffic counts and proposed traffic congestions. The consultant shall develop a template showing a reasonable traffic volume that can be accommodated by any roadway based on the number of lanes. If any street classified as a collec tor and/or arterial is anticipated to carry more traffic than the defined reason able number of vehicles, then that section will be identified as deficient.
7.	05/15/08	06/05/08	175	Prepare a list of capacity improvement alternatives based on the results of item 5 above. The capacity improvement alternatives will include new links, road way widening, intersection capacity improvements, and alignment corrections.
				(Items 6 and 7 can run concurrently)
8.	06/01/08	06/30/08	160	Prepare planning level cost estimates for improvements identified in Item 6 above.
9.	06/01/08	07/10/08	85	Prepare a written report related to the thoroughfare plan.
				(Items 8 and 9 can run concurrently)
				(Continued)
	(ASSO	CIATED ENGIN	FFRING	AND TESTING LLC THE AFT TEAM 42

# PROJECT TASKS, WORKPLAN AND TIMEFRAME

(Continued)

Item	Start Date	Finish Date	Hrs.	Scope of Services	·
10.	07/10/08	08/01/08	130	Conduct public meetings throughout the development of the the The meetings will be "open house" style with work and draft of play over an extended period of time. At least for three (3) how would be able to visit and review work and discuss issues of it one with city and consultant staff. The public will have the car viding both written and oral communications to staff at the me sultant shall be responsible for providing all displays, commen meeting minutes for each meeting.	noroughfare plan. materials on dis urs. The public nterest one-on- pability of pro cetings. The con nt cards, and
11.	(Time already	provided)		Identification of existing plans. (see Item 2 above)	
	(Time already	provided)		Responsibility and Authority (No deliverable or billing required)	
	(Time already	provided)		Inventory of Existing Right of Ways/Widths (See Item 3 above.) (This item was previously contracted to Fisher-Arnold Engine	eering)
12.	(Time already	provided)		Future Proposed Arterials/Collectors/Extensions/Improvemen (See Item 7 above)	ts/Widening
12a.				Functional Classification including cross sections	
12b.				Public Right-of-Way and Geometric Design Standards showir walkways, buffers and medians.	ng bikeways,
13.	07/15/08	08/15/08	200	Minimum Roadway and Process Requirements (Includes all #13 Items)	
13a.				Roadway and process Requirements (Included in various items above)	
13b.				Responsibility and Authority	
13c.				Plat Approval	
13d.				Road Zones & Zonal Options (Included in various items above)	
13e.				Penalty for Non-Compliance	
13f.				Notification of Road Work	
13g.				Policy/Procedure/Acceptance of Streets & Roads	
13h.				Private or Commercial Drives, Public Drives and Residential	Drives
				(Continued)	
	(ASSO	<u>CIATED ENGIN</u>	EERING	AND TESTING, LLC THE AET	TEAM 43

## PROJECT TASKS, WORKPLAN AND TIMEFRAME

	(Continued)						
Item	Start Date	Finish Date	Hrs.	Scope of Services			
14a.	(Ongoing)			Process Coordination of MPO and other City, County or State Transportation Studies and/or Plans (Included in above items)			
14b.				Flood Hazard Area to be reviewed and layered with existing & pro posed roads			
14c.				Road Names			

**Task of Special Interest** 

Inventory of Existing Right of Ways/Widths. Combine previous studies and information to the extent that the data can be manipulated within the GIS format. Does not include title re search or field work. to verify existing available data.

Review existing population projections and population characteristics (age composition, household/family size, etc.) to assure the most cur rent information is being used. These projections will be utilized as a basis for future traffic generations.

Associated engineering and testing, LLC

THE AET TEAM 44

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# STANDARD<br/>FORM (SF)Architect-Engineer<br/>and Related Services254Questionnaire

Form Approved OMB No. 9000-0004

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretariat (VRS), Office of Federal Acquisition and Regulatory Policy, GSA, Washington, D.C. 20405; and to the Office of Management and Budget, Paperwork Reduction Project (9000-0004), Washington, D.C. 20503.

#### Purpose:

The policy of the Federal Government in acquiring architectural, engineering, and related professional services is to encourage firms lawfully engaged in the practice of those professions to submit annually a statement of qualifications and performance data. Standard Form 254, "Architect-Engineer and Related Services Questionnaire," is provided for that purpose. Interested A-E firms (including new, small, and/or minority firms) should complete and file SF 254's with each Federal agency and with appropriate regional or district offices for which the A-E is Qualified to perform services. The agency head for each proposed project shall evaluate these qualification resumes, together with any other performance data on file or requested by the agency, in relation to the proposed project. The SF 254 may be used as a basis for selecting firms for discussions, or for screening firms preliminary to inviting submission of additional information.

#### Definitions:

"Architect-Engineer Services" are defined in Part 36 of the Federal Acquisition Regulation. "Parent Company" is that firm, company, corporation, association or conglomerate which is the major stockholder or highest tier owner of the firm completing this questionnaire, i.e., Firm A is owned by Firm B which is, in turn, a subsidiary of Corporation C. The "parent company" of Firm A is Corporation C.

"Principals" are those individuals in a firm who possess legal responsibility for its management. They may be owners, partners, corporate offices, associates, administrators, etc.

"Discipline" as used in this questionnaire, refers to the primary technological capability of individuals in the responding firm. Possession of an academic degree, professional registration, certification, or extensive experience in a particular field of practice normally reflects an individual's primary technical discipline.

"Joint Venture" is a collaborative undertaking by two or more firms or individuals for which the participants are both jointly and individually responsible.

"Consultant," as used in this questionnaire, is a highly specialized individual or firm having significant input and responsibility for certain aspects of a project and possessing unusual or unique capabilities for assuring success of the finished work.

"Prime" refers to that firm which may be coordinating the concerted and complementary inputs of several firms, individuals or related services to produce a completed study or facility. The "prime" would normally be regarded as having full responsibility and liability for quality of performance by itself as well as by subcontractor professionals under its jurisdiction.

"Branch Office" is a satellite, or subsidiary extension, of a headquarters office of a company, regardless of any differences in name or legal structure of such a branch due to local or state laws. "Branch offices" are normally subject to the management decisions, bookkeeping, and policies of the main office.

Instructions of Filing (Numbers below correspond to numbers contained in form):

- Type accurate and complete name of submitting firm, its address, and zip code.
   1a. Indicate whether form is being submitted in behalf of a parent firm or a branch office. (Branch office submissions should list only personnel in, and experience of, that office.)
- 2. Provide date the firm was established under the name shown in question 1.
- 3. Show date on which form is prepared. All information submitted shall be current and accurate as of this date.

4. Enter type of ownership, or legal structure, of firm (sole proprietor, partnership, corporation, joint venture, etc.).

Check appropriate boxes indicating if firm is (a) a small business concern; (b) a small business concern owned and operated by socially and economically disadvantaged individuals; and (c) Woman-owned (See 48 CFR 19.101 and 52.219-9).

5. Branches of subsidiaries of large or parent companies, or conglomerates, should insert name and address of highest-tier owner.

5a. If present firm is the successor to, or outgrowth of, one or more predecessor firms, show name(s) of former entity(ies) and the year(s) of their original establishment.

6. List not more than two principals from submitting firm who may be contacted by the agency receiving this form. (Different principals may be listed on forms going to another agency.) Listed principals must be empowered to speak for the firm on policy and contractual matters.

7. Beginning with the submitting office, list name, location, total number of personnel, and telephone numbers for all associated or branch offices, (including any headquarters or foreign offices) which provide A-E and related services.

7a. Show total personnel in all offices. (Should be sum of all personnel, all branches.)

8. Show total number of employees, by discipline, in submitting office. (\*If form is being submitted by main or headquarters office, form should list total employees, by discipline, in all offices.) While some personnel may be qualified in several disciplines, each person should be counted only once in accord with his or her primary function. Include clerical personnel as "administrative." Write in any additional disciplines -- sociologists, biologists, etc. -- and number of people in each, in blank spaces.

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#### **STANDARD Architect-Engineer** FORM (SF) and Related Services Questionnaire

9. Using chart (below) insert appropriate index number to indicate range of professional services fees received by submitting firm each calendar year for last five years, most recent year first. Fee summaries should be broken down to reflect the fees received each year for (a) work performed directly for the Federal Government (not including grant and loan projects) or as a sub to other professionals performing work directly for the Federal Government; (b) all other domestic work, U.S. and possessions, including Federally-assisted projects, and (c) all other foreign work.

#### **Ranges of Professional Services Fees**

254

INDEX	INDEX
1. Less than \$100,000	<ol><li>\$1 million to \$2 million</li></ol>
2. \$100,000 to \$250,000	<ol><li>\$2 million to \$5 million</li></ol>
3. \$250,000 to \$500,000	7. \$5 million to \$10 million
4. \$500,000 to \$1 million	<ol><li>\$10 million or greater</li></ol>

10. Select and enter, in numerical sequence, not more than thirty (30) "Experience Profile Code" numbers from the listing (next page) which most accurately reflect submitting firm's demonstrated technical capabilities and project experience. Carefully review list. (It is recognized some profile codes may be part of other services or projects contained on list; firms are encouraged to select profile codes which best indicate type and scope of services provided on past projects.) For each code number, show total number of projects and gross fees (in thousands) received for profile projects performed by firm during past few years. If firm has on or more capabilities not included on list, insert same in blank spaces at end of list and show numbers in question 10 on the form. In such cases, the filled-in listing must accompany the complete SF 254 when submitted to the Federal agencies.

11. Using the "Experience Profile Code" numbers in the same sequence as entered in item 10, give details of at least one recent (within last five years) representative project for each code number, up to a maximum of thirty (30) separate projects, or portions of projects, for which firm was responsible. (Project examples may be used more than once to illustrate different services rendered on the same job. Example: a dining hall may be part of an auditorium or educational facility.) Firms which select less than thirty "profile codes" may list two or more project examples (to illustrate specialization) for each code number so long as total of all project examples does not exceed thirty (30). After each code number in guestion 11, show: (a) whether firm was "P," the prime professional, or "C," a consultant, or "JV," part of a joint venture on that particular project (new firms, in existence less than five (5) years may use the symbol "IE" to indicate "Individual Experience" as opposed to firm experience); (b) provide name and location of the specific project which typifies firm's (or individual's) performance under that code category; (c) give name and address of the owner

of that project (if government agency indicate responsible office); (d) show the estimated construction cost (or other applicable cost) for that portion of the project for which the firm was primarily responsible. (Where no construction was involved, show approximate cost of firm's work); and (e) state year work on that particular project was, or will be, completed. 12. The completed SF 254 should be signed by a principal of the firm, preferably the chief executive officer.

13. Additional data, brochures, photos, etc. should not accompany this form unless specifically requested.

NEW FIRMS (not reorganized or recently-amalgamated firms) are eligible and encouraged to seek work from the Federal Government in connection with performance of projects for which they are qualified. Such firms are encouraged to complete and submit Standard Form 254 to appropriate agencies. Questions on the form dealing with personnel or experience may be answered by citing experience and capabilities of individuals in the firm, based on performance and responsibility while in the employee of others. In so doing, notation of this fact should be made on the form. In question 9, write in "N/A" to indicate "not applicable" for those years prior to firm's organization.

#### **Experience Profile Code Numbers**

#### for use with guestions 10 and 11

- Acoustics, Noise Abatement 001
- Aerial photogrammetry 002
- Agricultural Development; Grain Storage: 003
- Farm Mechanization 004 Air Pollution Control
- 005
- Airports; Navaids; Airport Lighting: Aircraft Fueling
- 006 Airports; Terminals & Hangars; Freight Handling
- 007 Arctic Facilities
- 008 Auditoriums & Theatres
- 009 Automation: Controls: Instrumentation
- 010 Barracks: Dormitories
- 011 Bridges
- Cemeteries (Planning & Relocation) 012
- Chemical Processing & Storage 013
- 014 Churches; Chapels
- Codes: Standards: Ordinances 015
- 016 Cold Storage: Refrigeration: Fast Freeze
- 017 Commercial Building (low rise): Shopping Centers
- 018 Communication Systems; TV: Microwave
- 019 Computer Facilities: Computer Service
- 020 Conservation and Resource Management
- 021 Construction Management
- 022 Corrosion Control: Cathodic Protection: Electrolysis
- Cost Estimating 023
- Dams (Concrete:Arch) 024
- Dams (Earth; Rock); Dikes; Levees 025
- 026 Desalinization (Process & Facilities)
- 027 Dining Halls: Clubs; Restaurants
- 028 Ecological & Archeological Investigations
- Educational Facilities; Classrooms 029
- 030 Electronics
- 031 Elevators; Escalators; People-Movers
- 032 Energy Conservation; New Energy Sources
- 033 Environmental Impact Studies, Assessments or Statements
- 034 Fallout Shelters; Blast-Resistant Design
- 035 Field Houses; Gyms; Stadiums
- 036 Fire Protection

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- 037 Fisheries; Fish Ladders
- 038 Forestry & Forest Products
- 039 Garages: Vehicle Maintenance Facilities Parking Decks
- 040 Gas Systems (Propane; Natural, Etc.)

- Graphic Design 041
- 042 Harbors: Jetties: Piers, Ship Terminal Facilities
- 043 Heating: Ventilating: Air Conditioning
- 044 Health Systems Planning
- 045 Highrise: Air-Rights-Type Buildings
- 046 Highways; Streets; Airfield Paving Parking Lots
- 047 Historical Preservation
- 048 Hospital & Medical Facilities
- 049 Hotels; Models
- Housing (Residential, Multi-Family; 050 Apartments: Condominiums)
- 051 Hydraulics & Pneumatics
- 052 Industrial Buildings; Manufacturing Plants
- 053 Industrial Processes: Quality Control
- 054 Industrial Waste Treatment
- 055 Interior Design; Space Planning
- 056 Irrigation; Drainage
- 057 Judicial and Courtroom facilities
- 058 Laboratories: Medical Research Facilities
- 059 Landscape Architecture
- Libraries; Museums; Galleries 060
- Lighting (Interiors; Display: Theatre, Etc.) 061
- 062 Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.)
- Materials handling Systems; Conveyors; 063 Sorters
- 064 Metallurgy
- Microclimatology; Tropical Engineering 065
- 066 Military Design Standards
- 067 Mining & Mineralogy
- Missile Facilities (Silos; Fuels; Transport) 068
- 069 Modular Systems Design; Pre-Fabricated Structures or Components
- 070 Naval Architecture: Off-Shore Platforms
- 071 Nuclear Facilities; Nuclear Shielding
- 072 Office Building; Industrial Parks
- 073 Oceanographic Engineering
- 074 Ordnance; Munitions; Special Weapons
- 075 Petroleum Exploration; Refining
- Petroleum and Fuel (Storage and 076 Distribution)
- 077 Pipelines (Cross-Country - Liquid & Gas)
- 078 Planning (Community, Regional Areawide and State)
- 079 Planning (Site, Installation, and Project)
- Plumbing & Piping Design 080
- 081 Pneumatic Structures, Air-Support Buildings
- 082 **Postal Facilities**
- 083 Power Generation, Transmission. Distribution
- 084 Prisons & Correctional Facilities

- 085 Product, Machine & Equipment Design
- 086 Radar; Sonar; Radio & Radar Telescopes
- 087 Railroad; Rapid Transit
- 088 Recreation Facilities (Parks, Marinas, Etc.)
- Rehabilitation (Buildings: Structures: 089 Facilities)
- 090 Resource Recover; Recycling
- 091 Radio Frequency Systems & Shieldings
- Rivers; Canals; Waterways; Flood Control 092
- 093 Safety Engineering: Accident Studies: **OSHA** Studies
- 094 Security Systems; Intruder & Smoke Detection
- Seismic Designs & Studies 095

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Etc.

Studies

Swimming Pools

Intercom, Etc.)

Tunnels & Subways

Utilities (Gas & Steam)

Warehouses & Deports

Zoning; Land Use Studies

Facilities Design

Systems)

Water

Development

096 Sewage Collection, Treatment and Disposal Soils & Geologic Studies; Foundations

Solid Wastes: Incineration: Land Fill

Special Environments: Clean Rooms,

Structural Design; Special Structures

Storm Water Handling & Facilities

Telephone Systems (Rural; Mobile:

Traffic & Transportation Engineering

Towers (Self-Supporting & Guved

Value Analysis; Life-Cycle Costing

Wind Tunnels; Research/Testing

Water Resources; Hydrology; Ground

Water Supply; Treatment and Distribution

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**Testing Inspection Services** 

Urban Renewals; Community

Surveying:; Platting; Mapping; Flood Plain

Solar Energy Utilization

STANDARD	I. Firm Name/Business Address:			2. Year	Present Firm	3. Date Prepared:	
FORM (SF)	Associated Engineering and Te 103 S. Church St.	sting, LLC		Lata	1990	January 15, 2008	
254 Architect-Engineer	P.O. Box 1462 Jonesboro, AR 72403-1462	4. Spec appli	4. Specify type of ownership and check below, if applicable.				
and Related Services				A. S	mall Business		
2destionnaire	la. Submittal is for 🛛 🔽 Parent Cor	mpany 🔲 Branc	h or Subsidiary Offic	e C. W	oman-owned Business	ness	
5. Name of Parent Comp	any, if any:	5a. Former Pare	ent Company Name(s	), if any, and	d Year(s) Establishe	ed:	
N/A		N/A					
6. Names of not more th	an Two Principals to Contact: Title/1	- Felephone					
<ol> <li>Kenneth L. Scrap</li> <li>Mike Cameron, J</li> </ol>	pe, Managing Partner Phor Partner Phor	ne: 870-932-3594 ne: 870-932-3594	4 Fax: 870-9 4 Fax: 870-9	935-1263 935-1263			
7. Present Offices: City	y / State / Telephone / No. Personnel	Each Office		7a. Total	Personnel	28	
8. Personnel by Discipline <u>2</u> Administrative <u>Architects</u>	<ul> <li>: (List each person only once, by pr</li></ul>	rimary function.) s	Oceanographers Planners: Urban/Re	gional	Field Crew Su       12     Survey Crew       2     CAD Oracle	pervisor Members	
Chemical Engineer	s Geologist Hydrologists		Sanitary Engineers Soils Engineers	-	CAD Operato           1         Clerical/Filing           1         Global Angle		
Construction Inspection     Draftsmen	ectors Interior Designers Landscape Archite	ects	Specification Write Structural Engineer	rs . s .	GIS Specialist	· · · · · · · · · · · · · · · · · · ·	
Ecologists Economists	—— Mechanical Engine —— Mining Engineers	ers <u>4</u>	Surveyors Transportation End	ineers			
9. Summary of Professio Received: (Insert inde Direct Federal contract wor	nal Services Fees Las x number) <u>19 07 19 0</u> k, including overseas <u>n/a</u> <u>n</u>	t 5 Years (most r $\frac{1905}{n/a}$	ecent year first)	Ranges INDEX 1. Less 2. \$10 3. \$25	of Professional Services than \$100,000 0,000 to \$250.000 0,000 to 500.000	s Fees	
All other domestic work All other foreign work*	<u>n/a</u> n	1/a n/a	<u>n/a</u> <u>n/a</u>	- 4. \$50 - 5. \$1 r 6. \$2 r	0,000 to \$1 million nillion to \$2 million nillion to \$5 million		
*Firms interested in foreign wo	rk, but without such experience, check here:			7. \$5 r 8. \$10	nillion to \$10 million million or greater		

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STANDARD FORM 254 PAGE 4 (REV. 11-92)

Profile of F	irm's Project Ex	perience, Last 5 Years									
Profile	Number o	f Total Gross Fees (in thousands)	Profile Code	Number Project	of ts	Total Gross Fees (in thousands)	Profile Code	N	umber of Projects	Tota (in	l Gross Fees thousands)
1) 5	3	130	11) 46	65		375	21) 102	250		475	
2) 6	1	1	12) 48	6		70	22) 106	120		1150	
3) 8	1	12	13) 49	1		5	23) 107	1		240	
4) 11	15	140	14) 50	33		1360	24) 108	5		10	
5) 12	2	21	15) 52	2		6	25) 115	25		75	
6) 14	4	60	16) 72	10		50	26) 117	50		150	
7) 17	9	278	17) 80	1		5	27)				
8) 23	180	86	18) 87	4		38	28)				
9) 27	1	8	19) 93	1		3	29)				
10) 29	4	58	20) 96	30		200	30)				
11. Project	t examples, Last	5 Years									
									Control	\A/	Completion
Profile	"P," "C,"	Project Name and Loop	tion		0.0	per Name and Addres			Lost of	vvork	Date (Actual
Code	"JV," or "IE"								(in thous		
50,96,115	Р	<sup>1</sup> Sage Meadows, Sing Jonesboro, AR	le Family S/D	& Golf	Sag 340	e Meadows Develop 1 Western Gales Dr	ment, Bob Trou ., Jonesboro, Al	utt R	300		2008
102,88,96	Р	<sup>2</sup> Marked Tree Sports Marked Tree. AR	s Complex		City 1 E	y of Marked Tree - 1 Im Street, Marked 7	Mayor Chandle Free, AR 72365	er	2,000		2010
29	Р	<sup>3</sup> Hillcrest Schools, Ly Lynn, AR	onn Campus		Hill P.O	crest Schools, Greg . Box 50, Strawberr	Crabtree ry, AR 72469		250		2009
102	Р	<sup>4</sup> Hwy. 49 Overpass @ Brinkley, AR	) 1-40		AH P.O	TD - Survey Divisio Box 2261, Little R	n, Kit Carson ock, AR 72203		38		2005
102	Р	<sup>5</sup> Hwy. 49, Valley View Jonesboro, AR	w to Gibson Sw	vitch	AH P.O	ΓD - Survey Divisio . Box 2261, Little Re	n, Kit Carson ock, AR 72203		97		2009
50,96,115	Р	<sup>6</sup> Silverwood Apartmo Paragould, AR	ent Project		Line P.O	dsey Development - . Box 13000, Fayette	James Lindsey eville, AR 72703	3	110		2006
50,96,115	Р	<sup>7</sup> Lake Crest Estates - Jonesboro, AR	Single Family	S/D	Nix 181	Development Corp. 7-A Woodsprings R	Robin Nix d., Jonesboro, A	AR	500		2006
									L		l

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50,96,115	Р	<sup>8</sup> Preston Estates, Single Family S/D Jonesboro, AR	Nix Development Corp Robin Nix	900	2006
50,96,115	Р	<sup>9</sup> Plantation Estates, Single Family S/D Jonesboro, AR	Nix Development Corp Robin Nix 1817-A Woodsprings Rd., Jonesboro, AR	900	2006
102,106	Р	<sup>10</sup> Hwy. 63/63B Interchange Jonesboro, AR	Southern Pavers - Bob Haworth P.O. Box 7675, Pine Bluff, AR 71611	10,300	2005
102,106	Р	<sup>11</sup> Hwy. 63/Washington Interchange Jonesboro, AR	Cameron Construction - Mike Cameron P.O Box 1492, Jonesboro, AR 72403	9,000	2007
50,96,115	Р	<sup>12</sup> Prospect Farms, Single Family S/D Jonesboro, AR	P & J Development - John Sloan P.O. Box 267, Jonesboro, AR 72403	2,000	2010
46,102	Р	<sup>13</sup> I-55 - Rehabilitation Project Osceola, AR	Delta Asphalt - John Bennett 11719 Hwy.412 W., Paragould, AR 72450	5,000	2006
102	Р	<sup>14</sup> Storm Pipe Inventory Project Jonesboro, AR	City of Jonesboro - Kelly Panneck 515 W. Washington, Jonesboro, AR	1,000	2008
83,106	Р	<sup>15</sup> Dell Power Plant Dell, AR	NEBCO 301 East Hwy. 18, Dell, AR 72426	5,000	2003
102,106	Р	<sup>16</sup> Hwy. 49, Valley View to Gibson Switch Jonesboro, AR	Cameron Construction - Mike Cameron P.O Box 1492, Jonesboro, AR 72403	2,500	2010
50,96,115	Р	<sup>17</sup> Sloan Lake S/D, Single Family S/D Jonesboro, AR	P & J Development - John Sloan P.O. Box 267, Jonesboro, AR 72403	2,500	2012
48,96,115	Р	<sup>18</sup> First Care Project Parker Rd., Jonesboro, AR	St. Bernard Regional Medical Center 224 E. Jackson, Jonesboro, AR	1,500	2008
102,106	Р	<sup>19</sup> Hwy. 18 East Dell, AR	Cameron Construction - Mike Cameron P.O Box 1492, Jonesboro, AR 72403	3,500	2009

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48,96,115	Р	<sup>20</sup> Senior Life Center Project E. Washington Ave., Jonesboro, AR	St. Bernard Regional Medical Center	3,000	2008
17,96,115	Р	<sup>21</sup> Halsey Self Storage Project S. Caraway Rd., Jonesboro, AR	Halsey Properties, LLC - Jerry Halsey P.O. Box 19129, Jonesboro, AR 72403	2,000	2008
17,96,115	Р	<sup>22</sup> Halsey Shopping Mall Project S. Stadium Blvd., Jonesboro, AR	Halsey Properties, LLC - Jerry Halsey P.O. Box 19129, Jonesboro, AR 72403	1,000	2008
50,96,115	Р	<ul> <li><sup>23</sup> The Grove, Apartment Project</li> <li>N. Caraway Rd., Jonesboro, AR</li> </ul>	Campus Crest, 2100 Redford Rd Charlotte	17,000	2008
50,96,115	Р	<sup>24</sup> The Villas at Sage, Single Family S/D Jonesboro, AR	Tri-State Development - David Onstead P.O. Box 19068, Jonesboro, AR	50	2008
102,106	Р	<sup>25</sup> Hwy. 67 North Newport, AR	Dumey Contracting - Danny Dumey, Jr. P.O. Box 558, Benton, MO 63736	3,500	2003
50,96,115	Р	<sup>26</sup> Brownstone S/D, Single Family S/D Jonesboro, AR	Vance Brown 510 Dogwood Ln., Jonesboro, AR 72401	800	2008
102	Р	<sup>27</sup> Valley View Schools - K-2 Jonesboro, AR	Valley View Schools - Radius Baker 2118 Valley View Dr., Jonesboro, AR	7,000	2008
102	JV	<sup>28</sup> City of Jonesboro - Flood Study Jonesboro, AR	City of Jonesboro - Claude Martin 515 W. Washington, Jonesboro, AR	1,000	2005
107	JV	<sup>29</sup> Southwest Jonesboro Traffic Study Jonesboro, AR	City of Jonesboro - Claude Martin 515 W. Washington, Jonesboro, AR	250	2006
102,106	Р	<sup>30</sup> Hwy. 63 - Bono Bypass Bono, AR	Atlas Asphalt - Jim Fulkerson 1333 N. Airport Rd., Jonesboro, AR	8,000	2005
12. The fore	going is a st	atement of facts		Date:	
-		Typed Name and	Title: Kenneth Scrape-ManagingPartner	January 14, 2	008

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# **ADDITIONAL INFORMATION**

# COMMONLY USED ACRONYMS AND TERMS

ADA	American's with Disabilities Act
ADEQ	Arkansas Department of Environmental Quality
AECI	ANDERSON ENGINEERING CONSULTANTS, INC.
AET	ASSOCIATED ENGINEERING AND TESTING, LLC
AHTD	Arkansas Highway and Transportation Department
ANRC	Arkansas National Resources Commission – Dam Safety Program
ASCE	American Society of Civil Engineers
ASFE	American Society of Foundation Engineers
ASDSO	Association of Safe Dam Safety Officials
ASTM	American Standards Testing Measures
ASTM/AASHTO	American Society for Testing and Materials / American Association of State Highway and Transportation Officials
ASWCC	Arkansas Soil and Water Conservation Commission
BA	BA Engineering
CADD	Computer Aided Design Drafting
CERCLA	Comprehensive Environmental Response Compensation, and Liability Act
CEU	Continuing Education Unit
COE	US Army Corp of Engineers
CCRL	Cement and Concrete Reference Laboratory
CME	Center for Microbial Ecology



ASSOCIATED ENGINEERING AND TESTING, LLC

NPDES	National Pollutant Discharge Elimination
NSPE	National Society of Professional Engineers
OSHA	Occupational Safety Hazard Agency
PHASE I ESA	Environmental Site Assessment [Preliminary Research]
PHASE II ESA	Environmental Site Assessment [Identified Investigation]
PE	Professional Engineer
PS	Professional Surveyor
PMF	Probable Maximum Flood
QA/QC	Quality Assurance / Quality Control
RCRA	Resource Conservation and Recovery Act
RFQ	Request for Qualifications
SES	SOUTHERN ECOLOGICAL SERVICES
SPCC	Spill Prevention Control and Countermeasure Plans
SWPPP	Storm Water Pollution Prevention Plans
TDEC	Tennessee Department of Environment and Conservation
TSD	Technology and Sustainable Development
USDA	US Department of Agriculture
US –FW	US Fish and Wildlife Services
UST	Underground Storage Tank
WRP	Wetland Reserve Program

# Definition

Value Engineering	Offers engineering alternatives to reduce construction cost without di-
	ninishing the quality of the project.



ASSOCIATED ENGINEERING AND TESTING, LLC

CSI	Construction Specification Institute
СТР	Cooperating Technical Partners
CTTP	Center for Training Transportation Professionals
CWA	Clean Water Act
EMA	Emergency Action Plan
EPRI	Emergency Preparedness Resource Inventory
ERA	Ecological Risk Assessment
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FIA	Forest Inventory and Analysis
GEO-RAS	Interface between HEC-RAS and Arc Map
GIS	Geographic Information Systems
GPS	Global Positioning System
GTR	Green Tree Reservoirs
HEC	Hydrologic Engineering Center
HEC-1	Hydrologic Engineering Center – Hydrological Computer Program
HEC-2	Hydrologic Engineering Center – Hydraulic Computer Program
HEC-RAS	Hydrologic Engineering Center – Hydraulic Computer Program
IHE	Incremental Hazard Evaluation
LOS	Level of Service
LOMR	Letter of Map Revision
MTE	Metabolic Theory of Ecology
NEPA	National Environmental Policy Act
NOI	Notice of Intent



Associated engineering and testing, LLC