ECS SOUTHWEST, LLP: ECS GROUP OF COMPANIES

OKLAHOMA DEPARTMENT OF TRANSPORTATION

Response to Letter of Interest for Local Government Pre-Qualification
Oklahoma Department of Transportation (ODOT)

Geotechnical Investigation Services (LG-0004)

September 6, 2024

ECS SOUTHWEST, LLP
7801 N. Robinson Ave. Suite D-8
Oklahoma City, OK 73116

ATTN: ANDY WILSHIRE, PE
405.265.5501 AWilshire@ecslimited.com
Office Manager
ecslimited.com

ECS LETTER OF INTEREST

ECS Southwest, LLP
7801 N Robinson Ave, Suite D-8
Oklahoma City, OK 73116
405.265.5501
ecslimited.com

September 6, 2024

400+
SOUTHWEST STAFF

450+
COMPLETED TRANSPORTATION PROJECTS IN OKLAHOMA/TEXAS

100%
READY FOR MORE!!

Oklahoma Department of Transportation
200 N.E. 21st Street
Oklahoma City, OK 73105

RE: Response to Letter of Interest for Local Government Pre-Qualification
Oklahoma Department of Transportation (ODOT)
Geotechnical Investigation Services (LG-0004)
Closing Date: July 31, 2029

ECS Southwest, LLP (ECS) appreciates the opportunity to submit a proposal for Geotechnical Investigation Services (LG-0004). For over 20 years, ECS has provided geotechnical services to clients throughout Oklahoma and surrounding states. ECS has a proven track record of experience providing geotechnical support services for transportation projects throughout Oklahoma and currently holds multiple prime contracts with state DOTs.

ECS understands the technical complexities and safety elements involved in transportation projects. Our team of geotechnical engineers, project managers, and field technicians have specific expertise and experience to complete and provide recommendations supporting ODOT's project schedules and cost estimates. Our project approach emphasizes communication, responsiveness, and tailored solutions for each project's unique subsurface conditions and technical requirements.

ECS utilizes an internal software suite developed to streamline field data collection, geotechnical analysis, report generation, invoicing, and document management. Real-time access to project data and seamless coordination across our offices allow ECS to mobilize experienced personnel and equipment to meet quick turnaround schedules.

ECS is committed to exceeding your expectations through proactive and innovative solutions. We value long-standing partnerships and the opportunity to continue supporting ODOT's mission to provide a safe and efficient transportation system for the movement of people and goods throughout Oklahoma.

Please contact us at 405.265.5501 or AWilshire@ecslimited.com for additional information.

Andy Wilshire, PE
Office Manager
405.265.5501 (office)
405.626.6703 (cell)
AWilshire@ecslimited.com

Garrett Klingensmith, PE
Subsidiary Regional Manager
405.265.5501 (office)
405.202.7873 (cell)
GKlingensmith@ecslimited.com

TABLE OF ORGANIZATION

OFFICE LOCATIONS

ECS Oklahoma City - Primary Location
7801 N. Robinson Ave, Suite D-8
Oklahoma City, OK 73116
T: 405.265.5501

ECS Tulsa - Secondary Location
9433 East 51st Street, Suite J
Tulsa, OK 74145
T: 918.922.7761

ABOUT OUR COMPANY

Founded in 1988, Engineering Consulting Services (ECS) is a leader in environmental, geotechnical, construction materials testing and facilities engineering. Since its inception, our company's success has spanned multiple industry sectors. Our steady growth comes from a deep belief in developing the people, systems and expertise required to focus on client needs. Today, with over 2,700 employees, ECS has grown to more than 90 offices and testing facilities spread across the Mid-Atlantic, Midwest, Southeast, Southwest, Pacific, and Florida regions. We are currently ranked 64 in Engineering News- Record's Top 500 Design Firms (April 2024) and number 28 in Zweig Group's 2024 Hot Firms (June 2024).

ECS Southwest, LLP has over 20 years of experience providing geotechnical engineering services on public and commercial developments. The types of geotechnical engineering services include but are not limited to subsurface explorations, pavement design, subgrade treatment and stabilization, slope stability and retaining wall analysis, stream bank stabilization, site development feasibility studies, foundation design and forensic-related type studies. Having performed work within the various cities of Oklahoma, we are familiar with the soil and geology conditions in the area. With Principal Engineers working with project managers and field technicians, we have the qualifications, experience and staff available to complete the contract's services successfully. ECS also has a certified soil and concrete materials laboratory within the Oklahoma City office to support the geotechnical services for this contract.

ANDY WILSHIRE, PE | OFFICE MANAGER, POINT OF CONTACT

REGISTRATIONS

Professional Engineer: OK
PE No. 29251

SKILLS

Geotechnical Subsurface Investigations

In-Situ and Laboratory Testing of Soil

Construction Materials Engineering and Testing

Shallow and Deep Foundations Pavement Design

Problem Soil Remediation

Site Seismic Classification

Construction and Project Management

EDUCATION

Bachelor of Science, 2010
Civil Engineering
University of Oklahoma
Norman, OK

PROFESSIONAL PROFILE

Mr. Wilshire is the Office Manager in ECS' Oklahoma City office. With over a decade of experience in the Oklahoma engineering and construction industry, Mr. Wilshire has been involved in geotechnical project management and construction management of various-sized municipal, state, and private development projects. Specifically, Mr. Wilshire has multiple years of experience providing geotechnical project management for numerous ODOT and OTA transportation projects, including geological and in-place soils surveys, retaining wall and embankment surveys, and various types of bridges.

PROJECT EXPERIENCE

- City of Newcastle, N Country Club Road Roadway Widening
- Country Colonnade Phases V, VI, and VII Residential Roadway, Oklahoma City, OK
- Webb Street Industrial Development Roadways, Pryor, OK
- Belle Isle Bridge, Oklahoma City, OK
- Broken Arrow Events Park Infrastructure Phase I and II, Broken Arrow, OK
- NW 178th and May Commercial Development Roadways, Oklahoma City, OK
- John Kilpatrick Turnpike SW Loop, Oklahoma City, OK
- Interstate 40 and Douglas Boulevard, Oklahoma City, OK
- State Highway 53, Carter County, OK
- Interstate 40 Over Sooner Road, Oklahoma City, OK
- State Highway 51 and US Highway 77, Logan County, OK
- McGee Creek Authority Roadway Rehabilitation, Atoka, OK
- Rush Creek Roadways Phase I, Edmond, OK
- New Orleans Square Intersection Reconstruction, Broken Arrow, OK
- NW 63rd Street and Wilshire Boulevard, Oklahoma City, OK
- S 273rd E Avenue Roadway Reconstruction Phase 1 and 2, Broken Arrow, OK
- S Council Rd from SW 89th Street to SW 74th Street, Oklahoma City, OK
- OG&E Road Reconstruction, Oklahoma City, OK
- Residential Sidewalk and Pavement Repairs, Oklahoma City, OK
- Fonda Community Access Road Improvement, Concho, OK
- Cummins Road, Hinton, OK
- Clinton Indian Hospital Road and Pedestrian Safety Trail, Clinton OK
- Canton Headstart Access Road, Concho, OK

GARRETT KLINGENSMITH, PE | SUBSIDIARY REGIONAL MANAGER, PRINCIPAL

REGISTRATIONS

Professional Engineer: OK
PE No. 30063

SKILLS

Geotechnical Engineering

Pressure Meter Testing

Retaining Structure Design

Slope Stability Analysis

Shallow and Deep Foundation Design

Construction Testing

Pavements

Site Seismic Classification

Structural Masonry

Asphalt Paving System

Cone Penetrometer Testing

EDUCATION

Bachelor of Science, 2010,
Civil Engineering,
Georgia Institute of Technology,
Atlanta, GA

PROFESSIONAL PROFILE

Mr. Klingensmith is a Subsidiary Regional Manager for ECS Southwest, LLP and has over 14 years of experience in the practical application of civil engineering and geotechnical principles. He has been involved in geotechnical design and project management of various sized projects. Mr. Klingensmith has provided consultation and management of hundreds of projects involving environmental studies, geotechnical engineering and construction materials testing services.

PROJECT EXPERIENCE

- S 273rd E. Avenue Roadway Reconstruction Phase 1, Broken Arrow, OK
- NW 178th and May Commercial Development Roadways, Oklahoma City, OK
- City of Tulsa Bridge Rehab, Tulsa, OK
- Broken Arrow Events Park Infrastructure Phase I and II, Broken Arrow, OK
- NW 63rd Street and Wilshire Boulevard, Oklahoma City, OK
- McGee Creek Authority Roadway Rehabilitation, Atoka, OK
- Concho North Road Improvement, Concho, OK
- Clinton Indian Hospital Road and Pedestrian Safety Trail, Clinton, OK
- Fonda Community Access Road Improvement, Concho, OK
- S Council Rd from SW 89th Street to SW 74th Street, Oklahoma City, OK
- Canton Headstart Access Road, Concho, OK
- MN Tribal Complex Drainage Retaining Wall, Okmulgee, OK
- Ardmore Municipal Airport - Phase 2 Taxiway A, Ardmore, OK
- Residential Sidewalk and Pavement Repairs, Oklahoma City, OK
- OG&E Road Reconstruction, Oklahoma City, OK
- Cherokee Nation Tahlequah Head Start, Tahlequah, OK
- Quebec Highlands Roadways, Thornton, CO
- Heritage Place Pavement Design, Fort Worth, TX
- Lawton Regional Airport ARFF Station, Lawton, OK
- W. P. Bill Atkinson Park Improvements, Oklahoma City, OK
- City of Norman Line Maintenance Facility, Norman, OK
- MN Tribal Complex Drainage Retaining Wall, Okmulgee, OK
- Wagoner County RWD #4 Wastewater Treatment Plant, Broken Arrow, OK

RESUMES OF THE PROPOSED TEAM

CERTIFICATIONS

Soils

Hazardous Materials Radiation Safety for NUKE

EDUCATION

Bachelor of Science, 2021
Civil Engineering
University of Oklahoma
Norman, OK

ETHAN POLLARD

GEOTECHNICAL PROJECT MANAGER

Mr. Pollard is a Geotechnical Project Manager at the ECS' Oklahoma City office. Mr. Pollard has experience in managing and executing a variety of subsurface exploration programs. His expertise includes managing subsurface exploration programs and testing soil and rock for various construction projects. He specializes in analyzing foundation settlements, bearing capacities, pavement thicknesses, retaining wall pressures, slope stability, seismic classifications, and construction recommendations for different types of pile and mat foundations.

PROJECT EXPERIENCE

- Rush Creek Roadways Phase I, Edmond, OK
- City of Newcastle, N Country Club Road Roadway Widening
- Broken Arrow Events Park Infrastructure Phase I and II, Broken Arrow, OK
- S 273rd E Avenue Roadway Reconstruction Phase 1, Broken Arrow, OK
- NW 63rd Street and Wilshire Boulevard Resurfacing, Oklahoma City, OK
- S Council Rd from SW 89th Street to SW 74th Street, Oklahoma City, OK

REGISTRATIONS

Professional Engineer: OK
PE No. 30063

EDUCATION

Bachelor of Science, 2020,
Civil Engineering,
University of Oklahoma
Norman, OK

WYAT GROOMS, PE

GROUP SUPERVISOR

Mr. Grooms is a Geotechnical Engineer and Group Supervisor at ECS' Tulsa, Oklahoma office. He is currently a licensed professional engineer in Oklahoma and has over five years of field, technical, and managerial experience. Mr. Grooms has worked on a variety of geotechnical projects, including renewable energy (wind/solar), data centers, commercial, retail, agricultural, municipal, schools, residential, and industrial. His responsibilities as a group supervisor include coordination and observation of the operations in Tulsa, preparing proposals, projects and performing technical report reviews.

PROJECT EXPERIENCE

- ODOT US-281 Roadway Improvements, Waynoka, OK
- ODOT OK-28 Roadway Improvements, Adair, OK
- HE Bailey Turnpike Rehab project, Comanche County, OK
- Webb Street Industrial Development Roadways, Pryor, OK
- S 273rd E Avenue Roadway Reconstruction Phase 2, Broken Arrow, OK
- Cherokee Nation Tahlequah Head Start, Tahlequah, OK

This form, or its pages, may be copied or computer generated, but not altered.

CAP Form M255 is the companion form to CAP Form M254 which permits Architects, Landscape Architects, Engineers and Land Surveyors to respond to invitations to be considered for design projects from the State of Oklahoma. It permits consultants to tailor their response to the specific project being considered by an agency.

This form is used in conjunction with CAP Form M254 in the same manner as Federal Standard Forms 254 and 255 are used for Federal selections. CAP Form M255 is to be used for a specific project and CAP Form M254 is used to be registered for consideration. **These forms have been designed to be as similar as possible to the Federal forms but SF254 and SF255 may NOT be used for State registration and selection.**

This form is divided into (6) break sections.

Section 6 (a. through g.) are expected to be reused for all proposed team members for the specific project being responded to. Use as many sheets as necessary, simply provide the proper page numbering in the bottom right for final submission.

Return this completed form to the agency issuing the invitation with a letter requesting consideration for the proposed project.

Instructions for Completing (Numbers below correspond to numbers contained on form.)

1. Enter the description of the project, as it appears in the letter you received announcing the project. If the agency has used a number to identify the project, include that number.

2a. Enter the date of the letter soliciting the project. You must reply to the Using Agency as specified, to be considered. This completed form must accompany your Letter of Interest.

2b. Enter the name of the Using Agency from which you received the announcement letter.

2c. Provide the CAP Solicitation Number of this response.

3a. List the legal name and address of the firm or joint-venture submitting this form.

3b. All firms, other than individuals practicing under their own license, or joint ventures must be certified by the Oklahoma Board of Registration for Professional Engineers and Land Surveyors or the Oklahoma Board of Governors for Licensed Architects and Landscape Architects.

3c. Enter the firm's EIN/TIN.

3d. Enter the name, title, and email of the principal representing the firm or joint-venture submitting this form.

3e. Enter the address of the office that will perform the work on this project, if it is different from that shown in item 3a.

4. List the number of personnel, by discipline, to be used on **this specific project**. List them only once by primary function. If functions are not shown, add them in the blanks provided.

5. If a joint-venture is planned for this project, list the member firms and their respective areas of expertise here. All members must be registered with Construction and Properties. Provide total number of employees permanently employed by the firm listed. Do not include employees of consultants or sub-consultants. A separate, complete CAP Form M255 is required for additional consultants or sub-consultants.

6. This page is for the resumes of the key personnel. It may be copied as necessary. It should be noted that Oklahoma law requires that design work for Oklahoma projects require the seals of architects and engineers licensed in the State of Oklahoma. Images and/or photographs are not requested and should not be provided.

7. This page is for the listing of projects accomplished by the (P)artnership, (C)orporation, (J)oint-(V)enture, or (I)ndividual, which best represents the qualifications of the firm for the type of project similar to the one announced. Do not include projects of consultants or sub-consultants. Images and/or photographs are not requested and should not be provided.

8. This area may be used to provide any other information not covered elsewhere on the form, which is pertinent to this project. List any special qualifications, which are applicable to this project. Images and/or photographs are not requested and should not be provided

9. All prospective consultants must be aware of the quoted section of law from Title 61 of the Oklahoma Statutes. The signature in Item 11 acknowledges that the excerpt has been read and the information provided is accurate.

10. A principal of the firm must sign and date the questionnaire for it to be accepted. Either original or electronic signatures are required.

OKLAHOMA Transportation

Procurement Division

CAP Form M255
Consultant Services for a Specific Project

1. Project Name / Location for which Firm is responding:

Oklahoma Department of Transportation (ODOT)
Local Government Pre-qualification Opportunities
Geotechnical Investigation Services (LG-0004)

FOR OFFICIAL STATE RECEIVED STAMP

2a. CAP Solicitation Number: (LG-0004)

2b. Date of Solicitation: 06/03/2024

2c. Using Agency originating Solicitation: Oklahoma Department of Transportation

3a. Firm (or Joint-Venture) Legal Name and Address / City, ST ZIP:

ECS Southwest, LLP

3d. Name, Title, & Email of Principal Contact:

Andy Wilshire, PE, Office Manager, AWilshire@ecslimited.com

3b. Certificate of Authority Number: 251205937

3c. EIN/TIN: 20-1992064

3e. Address / City, ST ZIP of office to perform work, if different from Item 3a:

N/A

4. Personnel by Discipline: (List each person only once, by primary function.)

34	Administrative	___	Economists	___	Mechanical Engineers	1	Drillers
2	Architects	___	Electrical Engineers	___	Mining Engineers	11	Environmental Scientist
___	CAD/CADD Technicians	___	Estimators	___	Planners: Urban/Regional	214	Field Technicians
___	Chemical Engineers	5	Geologists	___	Sanitary Engineers	7	Industrial Hygiene
___	Civil Engineers	___	Hydrologists	___	Soil Engineers	36	Lab Manager/Technician
___	Construction Inspectors	___	Interior Designers	___	Specification Writers	34	Professional Engineer
___	Draftsmen	___	Landscape Architects	___	Structural Engineers	66	Project Manager
___	Ecologists	___	Land Surveyors	___	Surveyors	410	Total Personnel

5a. If submittal is by a JOINT-VENTURE, list participating firms and outline specific areas of responsibility (including administrative, technical and financial) for each firm: All firms and the joint venture MUST be registered with Construction and Properties, cap@omes.ok.gov.

N?A

5b. Has this Joint-Venture previously worked together? ☐ Yes ☑ No If YES, how many times? ____

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for **this Specific Project**.

a. Name and Title: Andy Wilshire, PE, Oklahoma Branch Manager

b. Project Assignment: Point of Contact

c. Name of firm with which associated: ECS Southwest, LLP

d. Years experience - with this firm: 7 with other firms: 8

e. Education: Degree(s)/Year/Specialization

Bachelor of Science / 2010 / Civil Engineering

f. Active Registration (State/Year first registered/Discipline/Oklahoma License Number):

Oklahoma / 2017 / Civil - Geotechnical / PE No. 30063

Oklahoma Certificate of Authority (if any): N/A

g. Dominate experience and qualifications relevant to this Specific Project:

Mr. Wilshire serves as the Office Manager for ECS' Oklahoma City office. With over a decade of experience in the Oklahoma engineering and construction industry, Mr. Wilshire has been involved in geotechnical project management and construction management of various sized municipal, state, and private development projects. Mr. Wilshire provides senior-level management of subsurface explorations, laboratory testing, report preparation, construction materials testing, and business development.

Project Experience:
- S 273rd E Avenue Roadway Reconstruction Phase I and II, Broken Arrow, OK
- Bluff Creek Bridges, Oklahoma City, OK
- Webb Street Industrial Development Roadways, Pryor, OK
- NW 178th and May Commercial Development Roadways, Oklahoma City, OK
- McGee Creek Authority Roadway Rehabilitation, Atoka, OK
- Bellarose Residential Roadway, Oklahoma City, OK

a. Name and Title: Garrett Klingensmith, PE, Subsidiary Regional Manager

b. Project Assignment: Principal Engineer

c. Name of firm with which associated: ECS Southwest, LLP

d. Years experience - with this firm: 14 with other firms: 4

e. Education: Degree(s)/Year/Specialization

Bachelor of Science / 2010 / Civil Engineering

f. Active Registration (State/Year first registered/Discipline/Oklahoma License Number):

Oklahoma / 2016 / Civil - Geotechnical / PE No. 29251

Oklahoma Certificate of Authority (if any): N/A

g. Dominate experience and qualifications relevant to this Specific Project:

Mr. Klingensmith serves as a Subsidiary Regional Manager for ECS Southwest, LLP and has over 14 years of experience in the practical application of civil engineering and geotechnical principles. He has been involved in geotechnical design and project management of various sized projects. Mr. Klingensmith has provided consultation and management of hundreds of projects involving environmental studies, geotechnical engineering and construction materials testing services, including reinforced and pre-stressed concrete structure, structural masonry, structural steel, fireproofing, floor flatness, pile installation and asphalt pavement systems.

Project Experience:
- Broken Arrow Events Park Infrastructure Phase I and II, Broken Arrow, OK
- Brookside Residential Roadway, Choctaw, OK
- Bluff Creek Bridges, Oklahoma City, OK
- MN Tribal Complex Drainage Retaining Wall, Okmulgee, OK
- S. 273rd E. Avenue Roadway Reconstruction Phase 1, Broken Arrow, OK
- McGee Creek Authority Roadway Rehabilitation, Atoka, OK

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for **this Specific Project**.

a. Name and Title: Ethan Pollard, Project Manager

b. Project Assignment: Geotechnical Project Manager

c. Name of firm with which associated: ECS Southwest, LLP

d. Years experience - with this firm: 4 with other firms: N/A

e. Education: Degree(s)/Year/Specialization

Bachelor of Science / 2021 / Civil Engineering

f. Active Registration (State/Year first registered/Discipline/Oklahoma License Number):

N/A

Oklahoma Certificate of Authority (if any): N/A

g. Dominate experience and qualifications relevant to this Specific Project:

Mr. Pollard serves as a Geotechnical Project Manager for ECS' Oklahoma City office. Mr. Pollard has experience managing and executing a wide variety of subsurface exploration programs. These projects involved both in-situ and laboratory testing of soil and rock for the design and construction of new facilities and additions to existing structures. He has performed analyses for deep and shallow foundations (settlements and bearing capacity), pavements (section thicknesses), retaining wall design (lateral pressures), slope stability, site seismic classification, and construction recommendations.

Project Experience:
- City of Newcastle, N Country Club Road Roadway Widening
- Country Colonnade Phases V,VI, and VII Residential Roadway, Oklahoma City, OK
- Webb Street Industrial Development Roadways, Pryor, OK
- S 273rd E Avenue Roadway Reconstruction Phase 1, Broken Arrow, OK
- Bellarose Residential Roadways and Clubhouse, Oklahoma City, OK
- S Council Rd from SW 89th St to SW 74th St, Oklahoma City, OK

a. Name and Title: Wyat Grooms, PE, Group Manager

b. Project Assignment: Geotechnical Project Manager

c. Name of firm with which associated: ECS Southwest, LLP

d. Years experience - with this firm: 1 with other firms: 5

e. Education: Degree(s)/Year/Specialization

Bachelor of Science / 2020 / Civil Engineering

f. Active Registration (State/Year first registered/Discipline/Oklahoma License Number):

Oklahoma / 2023 / Geotechnical / PE No. 34546

Oklahoma Certificate of Authority (if any): N/A

g. Dominate experience and qualifications relevant to this Specific Project:

Mr. Grooms is a Geotechnical Engineer and Group Supervisor at ECS' Tulsa, Oklahoma office. He is currently a licensed professional engineer in Oklahoma and has over five years of field, technical, and managerial experience. Mr. Grooms has worked on a variety of geotechnical projects during his professional career including renewable energy (Wind/ Solar), data centers, commercial, retail, agricultural, municipal, schools, residential, and industrial. His responsibilities as a group supervisor include coordination and supervision of all operations in Tulsa, preparing proposal, projects and performing technical report reviews.

Project Experience:
- ODOT OK-28 Roadway Improvements, Adair, OK
- ODOT US-281 Roadway Improvements, Waynoka, OK
- HE Bailey Turnpike Rehabilitation Project, Comache County, OK
- S 273rd E Avenue Roadway Reconstruction Phase 2, Broken Arrow, OK
- Webb Street Industrial Development Roadways, Pryor, OK
- Cherokee Nation - Tahlequah Head Start, Tahlequah, OK

7. Work by firm or members which best illustrates current qualifications relevant to **this specific project** (list no more than 10 projects):

a. Project Name and Location	"P", "C", "JV" or "I"	b. Nature of Firms Responsibility	c. Project Owner's Name and Address	d. Completion Date	e. Est./Final Cost (000's) Entire Project	Firm's Portion
1. City of Newcastle, N Country Club Road Roadway Widening	C	Geotechnical Engineering	Civil & Environmental Consultants, Inc 4700 Gaillardia Parkway, Suite 101 Oklahoma City, OK	05/2024	N/A	$6,100
2. Country Colonnade Phases V, VI, VII Residential Roadways, Oklahoma City, Oklahoma	C	Geotechnical Engineering	TG Enterprise Group 3701 NW 192nd Edmond, OK	05/2024	N/A	$3,200
3. Webb Street Industrial Development Roadways, Pryor, OK	C	Geotechnical Engineering	MidAmerica Industrial Park 4705 Sanders Mitchell Street Pryor, OK	02/2024	N/A	$4,500
4. Broken Arrow Events Park Infrastructure Phase I and II, Broken Arrow, OK	C	Geotechnical Engineering	Kimley-Horn 1437 S Boulder Ave. #930 Tulsa, OK	02/2024	N/A	$60,800
5. NW 178th and May Commercial Development Roadways, Oklahoma City, OK	C	Geotechnical Engineering	Integrated Development 7725 West Reno Avenue, Suite 450 Oklahoma City, OK	07/2023	N/A	$3,900
6. Bellarose Residential Roadway, Oklahoma City, OK	C	Geotechnical Engineering	Bellarose Development, LLC 2468 West New Orleans Street Broken Arrow, OK	07/2023	N/A	$5,200
7. Brookside Residential Roadway, Choctaw, OK	C	Geotechnical Engineering	HBC-Properties, LLC 5101 Spinnaker Point Edmond, OK	07/2023	N/A	$2,900
8. S 273rd E Avenue Roadway Reconstruction Phase I and II, Broken Arrow, OK	C	Geotechnical Engineering	Kimley-Horn 1437 S Boulder Ave. #930 Tulsa, OK	03/2024	N/A	$31,000
9. Bluff Creek Bridges, Oklahoma City, OK	C	Geotechnical Engineering	Kimley-Horn 5727 Gaillardia Parkway, Suite 250 Oklahoma City, OK	10/2020	N/A	$4,800
10. City of Oklahoma City, McGee Creek Authority Roadway Rehab	C	Geotechnical Engineering	Smith Roberts Baldischwiler 100 N.E. 5th Street Oklahoma City, OK	06/2020	N/A	$9,100

8. Space provided for any additional relative information or description of resources supporting your firm's qualifications for **this Specific Project**.

Engineering Consulting Services (ECS) is one of the largest and most rapidly growing engineering and consulting companies in the US. Founded in 1988, ECS is a leader in geotechnical engineering. Whether your project requires local project management, specialty expertise or both, we have you covered. ECS provides the best of both worlds - the attention your projects deserve from our local team, coupled with abundant staffing and technical resources. With over 2,700 employees, ECS has grown to more than 90 locations spread across the Mid-Atlantic, Midwest, Southeast, Southwest and Pacific.

ECS develops tailored geotechnical exploration programs in support of each client's specific project. We know what is below the surface can be as crucial and complex as the structure it supports. Our team approach to geotechnical engineering extends beyond simply providing engineering data. We educate our clients about the risks and benefits of the engineering recommendations we provide.

Services Include:
- Subsurface Explorations, Assessments and Design - incorporating our extensive subsurface database for local geologies
- Geophysical Surveys - including seismic refraction, electrical resistivity, refraction microtremor, SASW and ground penetrating radar, as well as associated geotechnical engineering and design services
- Geotechnical Construction Consulting - to support construction projects including value engineering review, sample testing, laboratory testing for soil modification and evaluation of foundation bearing conditions
- Specialized In-situ (in place) Soil/Rock Testing - utilizing the following methods: Pressuremeter (PMT), Cone Penetrometer (CPT), Dilatometer (DMT) to provide the project team with cost effective recommendations for foundations supporting buildings and infrastructure
- Reinforced Earth Structures, Slopes and Retention Design - based on specific site conditions utilizing industry-leading analysis and design software
- Deep Foundation Testing - services using industry-leading devices such as the Pile Driving Analyzer (PDA), Cross Hole Sonic Logging (CSL) for drilled shaft testing and low-strain integrity testing using the Pile Integrity Tester (PIT)
- Geotechnical Instrumentation - for monitoring structure movement during construction including remote, automated total stations, scan stations, inclinometers, piezometers, extensometers, tilt meters, crack gauges and vibration monitoring
- Geostructural Design - for building elements containing soil-structure interaction such as soil nail walls, ground anchor supported retention systems, excavation support systems, micropiles, underpinning and soil improvement (aggregate pier designs, stone columns, vibro densification, grouting)

9. 61 O.S., § 64. Offenses
Any consultant or person doing architectural, surveying or engineering work for the State of Oklahoma, their agents, servants or employees, who shall receive gratuity from any contractor or builder of any public building or works, or solicit, receive or make any political contribution from or to a contractor or a builder of any public building or works, or who attempts to interfere with the competitive bidding process of the State of Oklahoma in any manner, is guilty of a misdemeanor, and upon conviction thereof shall be fined not less than One Hundred Dollars ($100.00) nor more that Five Hundred Dollars ($500.00), and by imprisonment in the county jail for not less than six (6) months nor more than one (1) year. Any contractor or builder of any public building or works, their agents, servants or employees, who shall offer any gratuity or political contribution to any consultant doing architectural, surveying or engineering work for the State of Oklahoma, or who attempts to interfere with the competitive bidding process of the State of Oklahoma in any manner, is guilty of a misdemeanor, and upon conviction thereof shall be fined not less than One Hundred Dollars ($100.00) nor more than Five Hundred Dollars ($500.00), and by imprisonment in the county jail for not less than six (6) months nor more than one (1) year.

10. The undersigned hereby solemnly swears or affirms, under penalty of perjury, that the information stated herein is true and correct.

(Consultant Signature)	Andy Wilshire, PE (Printed Name and Title)	09/06/2024 (Date)

Return this form along with your letter expressing interest to the agency from whom you received the notice of this project.

GEOTECHNICAL ENGINEERING

ECS develops tailored geotechnical exploration programs in support of each client's specific project. We know what is below the surface can be as crucial and complex as the structure it supports. Our team approach to geotechnical engineering extends beyond simply providing engineering data. We educate our clients about the risks and benefits of the engineering recommendations we provide.

SERVICES INCLUDE:

SUBSURFACE EXPLORATIONS, ASSESSMENTS AND DESIGN - incorporating our extensive subsurface database for local geologies

GEOPHYSICAL SURVEYS - including seismic refraction, electrical resistivity, refraction microtremor, SASW and ground penetrating radar, as well as associated geotechnical engineering and design services

GEOTECHNICAL CONSTRUCTION CONSULTING - to support construction projects including value engineering review, sample testing, laboratory testing for soil modification and evaluation of foundation bearing conditions

SPECIALIZED IN-SITU (IN PLACE) SOIL/ROCK TESTING - utilizing the following methods: Pressuremeter (PMT), Cone Penetrometer (CPT), Dilatometer (DMT) to provide the project team with cost effective recommendations for foundations supporting buildings and infrastructure

REINFORCED EARTH STRUCTURES, SLOPES AND RETENTION DESIGN - based on specific site conditions utilizing industry-leading analysis and design software

DEEP FOUNDATION TESTING - services using industry-leading devices such as the Pile Driving Analyzer (PDA), Cross Hole Sonic Logging (CSL) for drilled shaft testing and low-strain integrity testing using the Pile Integrity Tester (PIT)

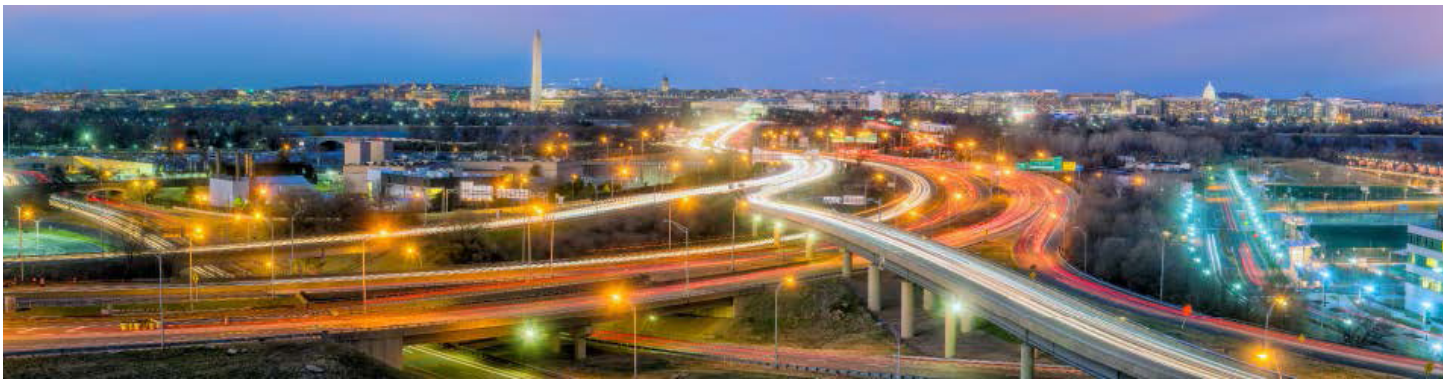
GEOTECHNICAL INSTRUMENTATION - for monitoring structure movement during construction including remote, automated total stations, scan stations, inclinometers, piezometers, extensometers, tilt meters, crack gauges and vibration monitoring

GEOSTRUCTURAL DESIGN - for building elements containing soil-structure interaction such as soil nail walls, ground anchor supported retention systems, excavation support systems, micropiles, underpinning and soil improvement (aggregate pier designs, stone columns, vibro densification, grouting)

WHY ECS:

- Expertise in each market
- Advanced exploration capability
- Industry-leading in-situ testing
- Advanced geotechnical laboratory testing capability
- Advanced proprietary geotechnical analysis systems
- Proven geotechnical value engineering experts

ADDITIONAL INFORMATION: ECS EXPERIENCE



TRANSPORTATION EXPERIENCE

Helping our clients solve the challenges of the transportation industry requires knowledge of the latest engineering techniques, innovative approaches and the proven ability to deliver on schedule. ECS provides services to our transportation clients in various core areas, including complex geotechnical engineering services in support of bridge, roadway, mass transit, airport, and port expansion projects. Our geotechnical expertise ranges from baseline or feasibility studies to developed Geotechnical Engineering Reports for Design-Build and Design-Bid-Build projects. Our expertise and ability to utilize personnel across multiple markets and geographies enables us to provide a range of planning, design, development and observation services to both the public and private sectors.

DID YOU KNOW...

- ECS has a 25+ year history of providing services to prime consultants and DOTs
- We currently hold multiple prime contracts with DOTs across the nation
- We have a wide range of skills across multiple geological provinces
- ECS has developed a comprehensive Field Quality Manual to be used as a technical guide for projects related to DOT

A FEW WE'VE WORKED ON:

I-95 Lanes over Rappahanncok Rive Crossing, Fredericksburg, VA
Service Provided: Geotechnical Engineering

Route 116 over Back Creek Bridge Replacement, Roanoke County, VA
Service Provided: Geotechnical Engineering

Lyndon B Johnson Fwy East Design, Dallas County, TX
Service Provided: Geotechnical Engineering

SH 114 Frontage Road Improvements, Irving, TX
Service Provided: Geotechnical Engineering

FDOT SR 24 from SR 45 to SW 75 Street, Gainsville, FL
Service Provided: Geotechnical Engineering

U-5785/U-5870 NCDOT Pavement Evaluation and Design, Greenville, NC
Service Provided: Geotechnical Engineering

I-64 Widening and Route 623 Interchange Design Build, Henrico County, VA
Service Provided: Geotechnical Engineering

FM 455 and IH 35 Improvements, Sanger, TX
Service Provided: Geotechnical Engineering

Quebec Highland Roadways, Thornton, CO
Service Provided: Geotechnical Engineering

City of Plano Parker Road Reconstruction, Plano, TX
Service Provided: Geotechnical Engineering

PROJECT APPROACH

ECS understands the complexities of timeliness, responsiveness, and budget constraints. We understand that clients have strict schedules and budgets that must be adhered to. By careful management, reliance on our experience, and use of business data such as productivity, we can expand our workforce to meet future projects by organizing project teams from local and regional offices.

> *The communication and status tracking is far superior to other geotechnical firms I have worked with.*
>
> *- Julia Fletcher*
> *COG Dallas Homes III, LLC*

Being able to accomplish assignments within a specific time frame, and being able to manage multiple tasks, is vital to DOT operations. The ECS team assigns a dedicated Point of Contact and Project Manager with the necessary technical resources to effectively handle the aspects of the contract's projects. We actively communicate with the ODOT point of contact to develop anticipated project schedules and communicate regularly with the team so that each task goal is met.

Following the identification and assignment of each specific task order, Mr. Wilshire selects a Task Manager from the ECS team who is responsible for logistical planning and technical consultation based on prior project experience and/or professional certification within the discipline of interest. The task manager evaluates the available information and formulate a preliminary project scope and schedule. The scope and schedule are discussed with the technical team member to act as the liaison for this agreement prior to the initiation of services. Discussions include an evaluation of the task-at-hand, the proposed project approach, schedule, and budgetary considerations and constraints.

The team selected to provide services works together and has specific, local expertise and experience; is familiar with local regulations and requirements; and has a track record of performance within the area. This approach provides consistency, ease of communication, familiarity, an opportunity for mentoring, as well as a sense of ownership and pride in work.

With project-committed personnel in place, the ECS Team can respond quickly to project assignments. Key personnel are used, as needed, to complement the level of expertise. The quality of the ECS team's activities and deliverables are enhanced by adherence to our project-specific Quality Assurance / Control Plans.

Our experience managing local multi-year term contracts enables us to successfully execute even the most complex projects. Our experience has given us a broad background in using a multitude of techniques and has provided our team with a solid understanding of project management and delivery. Our ability to generate timely reports through our wireless and paperless technology offers significant advantages to our clients, helping the project team respond quickly and appropriately to field conditions and project requirements.

REPORTING SOFTWARE

Data collection and tracking results and observations are important to effective project-level decision-making for construction managers and clients. Through our internally-developed software systems, we can easily keep our field and lab data organized and filed and transmitted automatically to the identified parties. Our systems are web-based, and the data refresh rate is instant, giving the on-site project manager and the project principal to access the data remotely.

ECS utilizes a seamless, digital, in-house developed suite of software. Our systems are as follows:

FRED (Field Reporting and Electronic Distribution): Laboratory and field data is processed in FRED automatically once the specific information pertaining to a work order or lab test is uploaded and submitted to Project Management for review. Once the Project Manager approves, the report is submitted to the Principal Engineer for their signature. Then the report is automatically transmitted to the recipients on the distribution list.

GEORGE

GEORGE (Geotechnical Report Generator): Our geotechnical laboratory utilizes GEORGE to manage the input, processing, and output of the results of our soils lab tests. GEORGE is the one-stop for soil testing, from geotechnical subsurface investigations to construction materials testing, providing physical properties of soils for design and baseline values for comparative evaluations. Once data is input and approved in the lab, it enters the FRED system for Project Manager review

ETHEL

ETHEL (ECS Technician Handheld Electronic Logbook): Our field technicians are equipped with tablets and touch-screen laptops to store their field testing results, observations, and communication. The ETHEL system is the platform for organizing this data into an easy-to-use interface that translates the entered information into our standard reports. Seamless transition and efficient workflow without transcription or time loss. As soon as the field data and field write-up are completed, the field technician will attach digital photos and site location sketches and then upload them wirelessly to our system. After completion of the upload, the automatically assembled reports are available in the FRED system for Project Manager review.

IVAN

IVAN (Invoice Verification and Notification): On a monthly basis, our invoices are automatically prepared and made available to our management team on an easy-to-use platform. IVAN, synchronized with GEORGE, ETHEL, and FRED, gathers the time and materials associated with our services and assembles the invoices for review. Following the initial setup of the project and execution of services, the invoice assembly process is simple and straightforward, requiring very little manipulation or modification, making for a rapid review and finalization process. The Project Manager performs the initial review and then approves for the Principal Engineer to do the same. Upon completion and approval by both the PM and the PE, the invoice is transmitted and copied to those set up to receive it. Being contained within the same electronic system, this process is simplified and operates with little complication.

ALF

ALF (Action Items, Letters, Follow-up): ALF serves as the central station for the above-noted systems. As the hub for the data movement, within ALF ECS staff can view the status of proposals, project contracts, document uploads, PTO for staff, and much more. ALF is also smart phone formatted to facilitate our Project Managers and Principal Engineers and their mobile operations. Our professional staff are connected to their projects with ease and through ALF, should the client, contractor, or project team need specific information or status, our ECS team can easily and quickly retrieve and provide it.

QUALITY ASSURANCE/QUALITY CONTROL

Quality Assurance: ECS has a Corporate-Sponsored Quality Assurance Program that applies to its professional services. The program has been in place for more than 25 years and is guided by an evolving Quality Systems Manual for specific services. The key to maintaining high-quality services is the training and retention of experienced personnel. The use of currently calibrated equipment and adherence to industry standards is paramount to achieving quality.

The projects are directed by registered Professionals. The Quality Assurance Program relies on assessments in the form of internal and external audits, peer reviews, and sample reference programs. For large projects, ECS develops project-specific Quality Assurance Project Documents. ECS participates in or conducts numerous internal and external audits and assessments to enhance our firm's credibility and support our commitment to continuous quality improvement.

Quality Control: Our goal is to provide high-quality engineering and related services and to be recognized by our clients and colleagues for our innovative ideas, responsiveness and value. Quality is integrated into what we do. Our high volume of repeat customers and recommendations from our clients and professional associates are measures of our commitment to quality.