

ENGINEERING SUCCESS



1000 W. Wilshire, Suite 401
Oklahoma City, OK 73116
405.842.8558

**LETTER OF INTEREST for the
Oklahoma Dept. of Transportation**

**Engineering Contract No. 1813
Preliminary Engineering,
Preparation of Construction Plans**

DATE: July 29, 2016



July 25, 2016

Ms. Jennifer Mason
Purchasing Manager
Oklahoma Department of Transportation
200 NE 21st Street,
Oklahoma City, OK 73105-3204

Re: Letter of Interest for EC-1813 – Pre-Qualification for County Engineering Services

Dear Ms. Mason:

MKEC Engineering Inc. is pleased to submit this letter of interest on EC-1813 for pre-qualification to provide County Engineering Services across Oklahoma.

The MKEC team members have performed extensive work for many Oklahoma counties and Circuit Engineering Districts (CED's). Our current clients include CED 2, 3, 4, 7, and 8, as well as counties such as Canadian, McCurtain, and McIntosh. MKEC has enjoyed our relationship with the CED's and counties and looks forward to assisting them and others with future projects. Here are some highlights of the attached information for your review and consideration:

- Well established Oklahoma City office that includes six licensed P.Es', three E.I.'s, two licensed surveyors and support staff.
- Team experience - our key personnel have more than 20 years experience working on county projects. Our team understands the unique challenges on county engineering projects.
- MKEC's design capabilities and experienced / available staff will enable us to complete projects in a timely manner and, if necessary, meet aggressive schedules.

Our team offers most of the required services with in-house staff. We also have well qualified sub-consultants on the team for aerial surveys, geotechnical and specialized traffic studies. A complete project team biography can be found in the Key Personnel section, as well as the DCS CAP 255 form for each firm.

The MKEC Team offers expertise and local knowledge. We have enjoyed working with ODOT and the counties on past projects and will consider it a great honor to be on the department's list of qualified firms.

Respectively submitted,

MKEC ENGINEERING, INC.

A handwritten signature in black ink that reads "Sri Koneru".

Sri Koneru, PE, CFM
Senior Project Manager

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MKEC

Bearing Tree Land Surveying

Redfire Engineering

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Lee Engineering

FAR Audit Correspondence



PROJECT NAME Pre-Qualification for County Engineering Services

CONTRACT No. EC-1813

CLIENT ODOT

PROJECT MANAGER

Sri Koneru, PE, CFM

PRINCIPAL-IN-CHARGE

Doug Klassen, PE

QA/QC

Greg Sparks, PE, CFM

ROADWAY/ TRAFFIC

Luke Jost, PE
Chase Cole, EI
Greg Newton

**BRIDGE/
STRUCTURES**

Jonathan Hisey, PE
Hai Wei Lim, EI
Trevor McDougall, EI

TRAFFIC STUDIES

Lee Engineering

**HYDROLOGY/
HYDRAULICS**

Olga Hopper, PE

SURVEY

Kevin Ingram, PLS
Allen Lowry, PLS
Bearing Tree (AERIAL)

ENVIRONMENTAL

CC Environmental

GEOTECH

Kleinfelder

UTILITIES

Redfire Engineering



January 19, 2016

Letter of Recommendation for MKEC and Mr. Greg Sparks

We at ODOT Division Five are highly impressed with MKEC, especially Mr. Greg Sparks, and their Consultant Engineering work. We certainly would recommend MKEC for the work that you have in your Division.

We have the following projects with MKEC at the current time:

Custer County, SH-33: the bridge over the railroad track west of Thomas

Washita County, SH-152: West of SH-44, adding 8' shoulders to a 2-lane highway

Jackson County, Local Government Project: Park Lane and Falcon Road, convert 2-lane to a 4-lane undivided section

Mr. Greg Sparks and his team are always responsive, professional, timely, and they perform with extra effort to complete the job. All these projects had to be adjusted for the availability of funds, and MKEC was willing to listen and adjust accordingly. Also, Mr. Sparks and his team had to "think outside the box" on adjusting the finished grade of the pavement above a drainage structure on the Park Lane project so to minimize the impact on a Lugert-Altus Irrigation District siphon structure. This saved all those involved time and money.

We would highly recommend MKEC for ODOT projects. You will be impressed. Please call me if you have any questions on their work ethic.

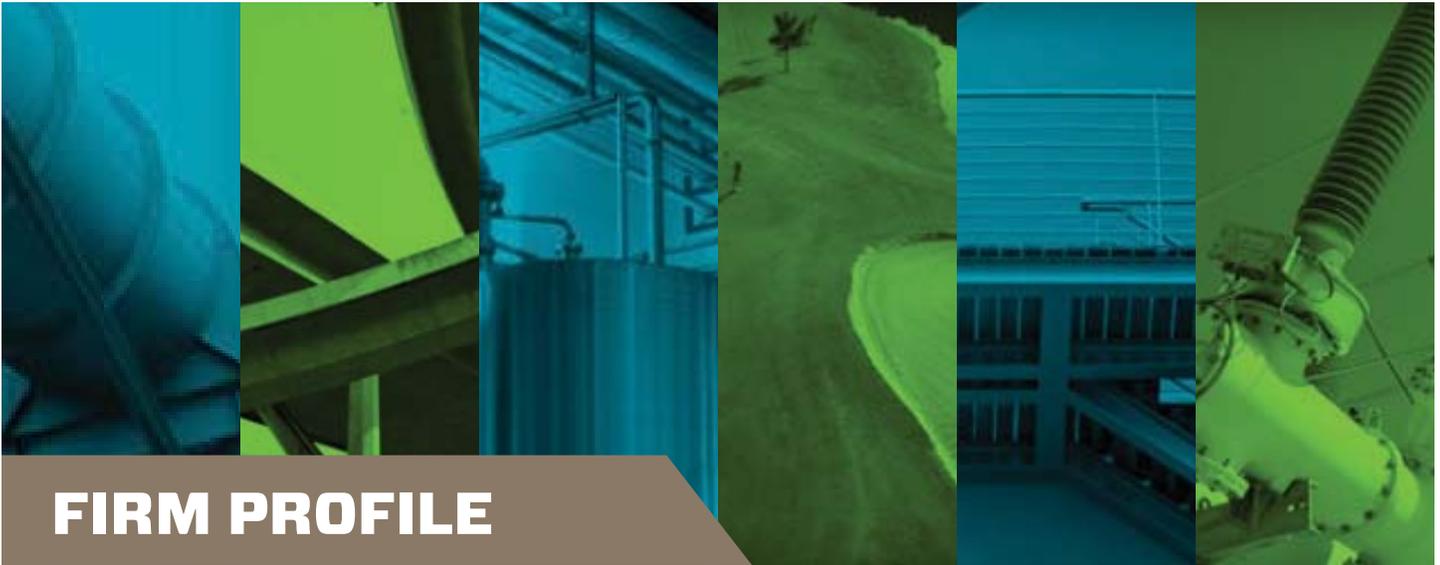
Sincerely,

Brent Almquist

Division Five Engineer

Mobile: 580-445-1002

E-mail: balmquist@odot.org



FIRM PROFILE

Founded on Principle, Sustained by Excellence

We founded MKEC in 1982 on the principle of providing superior engineering consulting services that are responsive to our clients' needs. Since then we have grown steadily in both number of clients served and services offered. Our large and talented team of engineers, planners and landscape architects deliver an impressive breadth of project experience and a commitment to uncompromising quality in our work, timely completion of projects and fairness in our fees. That's why so many of our customers come back again and again when new needs arise. Our 200+ associates are ready to help you.

We've solved problems and delivered creative solutions throughout the United States and Canada. We're ready to help you succeed - wherever you may be.

If it requires engineering, we probably do it.

- Industrial/Energy
- Land Development
- Transportation
- Architectural Engineering
- Public Works
- Electric Utility Design



Broad Range of Expertise, Deep Experience

We are a full-service engineering and land-planning firm that offers a broad range of consulting services. We provide engineering feasibility and design services to both private and public sectors. Our customers include industry, developers, city, county, state and federal governments, architects, other engineering groups, institutions and individuals.

Office Locations

- Wichita - 316.684.9600
- Kansas City - 913.317.9390
- Oklahoma City - 405.842.8558

SRI KONERU, PE, CFM - Civil Engineer/Senior Project Manager



EDUCATION

B.S. Civil Engineering
Osmania University

M.S. Structures
Utah State University

REGISTRATION/CERTIFICATION

Oklahoma Registered Professional
Engineer No. 19966
Oklahoma Certified Floodplain
Manager No. OK-14-00019

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers
OK Floodplain Managers Association
Structural Engineering Institute

WORK HISTORY

MKEC Engineering, Inc.
2012-Present

Koneru Consultant Services
Owner/President
2008-2012

MacArthur Associated
Consultants, LLC
2001-2006

Dewberry
1999-2001

ABC Engineering Company
1994-1999

Mr. Koneru has over 20 years of civil engineering experience with emphasis on urban and rural transportation projects. He has several years of project management experience on numerous ODOT projects as part of the 8-year construction programs and the Governor's bridge replacement program along with the CIP, Load-Posted Bridge, SBR and CIRB programs. His experience includes all aspects of transportation projects including survey acquisition, hydraulics, roadway and bridge design, traffic, right-of-way/ utility coordination, schedules, cost estimates and construction support.

Mr. Koneru is also an ODOT certified bridge inspection program manager and he has experience in providing evaluations and repair recommendations/ rehabilitation plans. Clients he has worked with include ODOT, OTA, Oklahoma Military Dept., Oklahoma Air National Guard, Tulsa Army Corps of Engineers along with several Cities and Counties in Oklahoma.

BRIDGE AND APPROACH PROJECTS

Bridge types include single and multi-span PC beam bridges, steel rolled beam and continuous plate girder bridges, reinforced concrete boxes with drops, broken back, etc. Tasks performed include design and plan development incorporating phased construction details where needed.

Division 2

- Bridge on SH-109 over Kiamichi River, Choctaw County
- Two bridges on SH-31 over Unnamed Creeks, Pittsburg County

Division 3

- Bridge on SH-19 over Beef Creek, Garvin County
- Two bridges on SH-74 over Unnamed Creeks, Garvin County
- SH-99A over East Gar Creek, Seminole County
- Two bridges on SH-9 over Unnamed Creeks, Seminole County
- Little Peavine Creek, Garvin County
- SH-102 over N. Canadian River, Pottawatomie County
- SH-7 over Blue River, Johnston County

Division 4

- SH-156 over Deadman Creek, Noble County
- SH-66 over Sand Creek, Creek County

Division 5

- US-270 Bridge over Little Robe Creek, Dewey County

Division 7

- SH-32 over Rock Creek, Love County
- SH-53 over Deer Creek, Stephens County

GRADING, DRAINAGE AND PAVEMENT PROJECTS

Grading, Drainage, Paving, Detours, Construction Sequencing and Traffic Control plans for new alignments, widening existing two-lane highways to four-lane divided highways, curb & gutter sections with storm sewer systems, etc. Tasks performed include phased earthwork/ balancing and designing for optimized right-of-way and utilities.

Division 2

- US 70 near Millerton, ODOT, McCurtain County

Division 7

- SH 49 near Medicine Park, Comanche County
- US 62/ 281 near Apache, Caddo County

Division 8

- SH-28 over Pryor Creek, Mayes County

BRIDGE REHABILITATION PROJECTS

Deck replacements, overlays, widening, steel & p.c. beam repairs & replacements, bearing assembly repairs, abutment & pier repairs, scour studies, channel adjustments, construction sequencing and traffic control.

- State Bridge Rehabilitation (SBR) projects in Divisions 2, 3 and 4 including development of field assessment reports, plans and estimates.

DOUG KLASSEN, PE - Civil Engineer/Principal-In-Charge



Mr. Klassen is a Project Manager responsible for design and management of municipal improvement projects and residential and commercial development projects. His project experience includes hydrology, hydraulics, water, wastewater, paving and drainage projects. Mr. Klassen also has experience preparing Storm Water Pollution Prevention Plans and NPDES Permit applications for construction activities. He has experience with hydrologic and hydraulic modeling software. He has also prepared Letters of Map Revisions and/or Amendment Applications for FEMA approval. Mr. Klassen also serves as Principal-in-Charge of MKEC's Oklahoma City office. He is responsible for managing personnel and business development.

PROJECT EXPERIENCE

HIGHWAY TRANSPORTATION PROJECTS

- **SH-31 East of Krebs, OK**

Originally scoped as 1.4 miles of offset alignment and 0.9 miles of overlay and widening. To minimize ROW impacts an alignment study was performed to determine the best route. Project was later re-scoped as a 3R project. Serves as the Principal-In-Charge.

- **ODOT & the City of Altus Street Projects**

Joint venture with ODOT's Local government Division and the City of Altus, OK. The project consists of two separate one mile roadway improvement projects and one 1-1/2 mile streetscape project. Served as the Principal-in-Charge.

- **US-64 over Cow Creek in Noble County**

Consisted of a three span P.C. beam type IV bridge and curb and gutter urban roadway. Served as the Principal-in-Charge.

- **SH-51 over Harrington Creek in Payne County**

Bridge replacement project with a temporary shoo-fly alignment. Served as the Principal-in-Charge.

- **US-77 over Black Bear Creek in Noble County**

Bridge replacement and approach project. Served as the Principal-in-Charge.

- **SH-9 over Stinking Creek in Kiowa County**

Three span bridge replacement as part of the Load Posted Bridge Replacement program. Served as the Principal-in-Charge.

- **SH-9 over Rainy Mountain Creek in Kiowa County**

Bridge replacement as part of the Load Posted Bridge Replacement program. Served as the Principal-in-Charge.

- **SH-77 over Caddo Creek in Carter County**

Five span bridge replacement as part of the Load Posted Bridge Replacement program. Served as the Principal-in-Charge.

- **SH-37 Sidewalk Improvement Project**

Project Manager for over 1,800 feet of proposed and rehabilitated sidewalk in Tuttle, Oklahoma in coordination with ODOT and the City of Tuttle.

MUNICIPAL & COUNTY PROJECTS

- **SkyDance Bridge, Oklahoma City, OK**

MKEC recently completed collaboration with Spatial Experiments Lab to design this unique, iconic pedestrian bridge structure over the relocated I-40 in downtown Oklahoma City, OK. Mr. Klassen served as MKEC's project manager for civil, landscape and electrical design.

- **BC-0201 & 0202 Bridge Replacement Projects**

Two City of Oklahoma City bridge replacement projects. One bridge is on SW 59th Street abutting the town of Mustang, OK and the second is on Cimarron Road west of Yukon, OK. Served as the Principal-in-Charge.

EDUCATION

B.S., Civil Engineering
Kansas State University
B.S., Physics
Bethel College

REGISTRATION/CERTIFICATION

Professional Engineer
Oklahoma No. 21405
Kansas No. 16298

PROFESSIONAL MEMBERSHIPS

ASCE, ACEC, AISC, OMCA,
COHBA

CONTINUING EDUCATION

"Flood Analysis using HEC-RAS 3.0," Two-day course on hydraulic modeling using HEC-RAS software.

"Low Impact Development Applications for Water Resource Management," Implementing best management practices for detaining and naturally treating stormwater runoff.

"Stormwater Pollution Prevention," Implementing federal/state national pollutant discharge elimination system (npdes)

"Urban Watershed BMP'S," New Advances in Stormwater Treatment Practices.

WORK HISTORY

MKEC Engineering, Inc.
2001 – Present

Austin Miller, P.A.
Wichita, Kansas
Civil Engineer
1997-2001

Booker Assoc., Inc. Of Kansas
Wichita, Kansas
Civil Designer
1996-1997

DOUG KLASSEN, PE - Civil Engineer/Principal-In-Charge

Project Experience Continued:

- **PC-0420 & WC-0726: City of Oklahoma City Street Project on NW 122nd Street from County Line Rd. to Council Rd**
One mile of four lane widening through a school zone with one bridge structure and waterline relocations. Served as the Principal-in-Charge.
- **PC-0436 NW 23rd Street Streetscape, Oklahoma City, OK**
Mr. Klassen serves at the project manager for this project which includes design of approx. 1-mile of streetscape improvements from I-44 to Tulsa Ave. The project scope includes adding sidewalks to both sides of this highly travelled arterial roadway. In addition, the intersection at Portland will be reconstructed with decorative pavement and neighborhood markers installed. Traffic signals will be upgraded and/or replaced, and the existing roadway will be milled and overlaid.
- **Edmond Road Culvert Replacement, Edmond, OK**
Project Manager for reinforced box culvert replacement under Edmond Rd., Edmond, OK. Included hydraulic model and sizing of culvert and construction document preparation.
- **Street Improvements, Broken Arrow, OK**
Broken Arrow, OK. Project Manager for two one-mile street improvement projects. Ninth Street from Omaha to Albany, and 209th St. from Kenosha Rd. to the Muskogee Turnpike. Project included design and plan preparation for widening of the roadways and drainage improvements.

GREG SPARKS, PE,CFM - Civil Engineer/Senior Project Manager



Mr. Sparks has over 16 years experience specializing in rural and urban roadway and construction traffic control design, hydraulics and project management. Mr. Sparks has worked on over 40 roadway and traffic projects with the Oklahoma Department of Transportation including the CIP, Load-Posted Bridge program, SBR and CIRB programs. He received the ACPA National Gold award on his design of the I-35 and SH-51 interchange. In addition to roadway, traffic, right-of-way and utility coordination he has experience with project planning, scheduling, and tracking of resources utilizing Primavera and Microsoft Project software. Greg is an Oklahoma certified floodplain manager.

HIGHWAY TRANSPORTATION PROJECTS

Division 2

- SH-31 east of Krebs. Originally scoped as 1.4 miles of offset alignment and 0.9 miles of overlay and widening. To minimize ROW impacts an alignment study was performed to determine the best route. Project was later re-scoped as a 3R project. Serves as the project manager.
- SH-3 starting at SH-98 then east 6 miles towards Broken Bow. Project was originally scoped as a 2 on 4 offset alignment with two bridges. Served as the project manager and roadway engineer.
- US-70 east of Garvin in McCurtain County. Project manager & engineer for 2.4 miles of parallel offset alignment.
- US-70 west of Soper in Choctaw County. Traffic and roadway design for 2.7 miles of overlay and widening.
- US-70 west of Mead in Bryan County. Project engineer for 2.7 miles of widening for a 5-TWLTL
- SH-3 near Lane in Atoka County. Included 5.3 miles of parallel offset alignment.

Division 3

- SH-48 north of Tupelo in Coal County. Project manager & roadway engineer for two bridge replacements and detours.
- SH-74 over Wild Horse Creek in Carter and Garvin County. Served as the roadway engineer for offset alignment and bridge replacement.
- SH-102 over the North Canadian River in Pottawatomie County. Roadway and traffic design for offset alignment and bridge replacement.
- SH-3W and SH-19 bridge rehabilitations near Ada. Provided traffic control and roadway design.

Division 4

- US-64 over Cow Creek east of Perry. Consists of a three span P.C. beam type IV bridge and curb and gutter urban roadway.
- SH-51 over Harrington Creek west of Stillwater. Project manager of a bridge replacement project with a temporary shoo-fly alignment.
- US-77 over Black Bear Creek north of Perry. Bridge replacement and approach project.
- I-40 Boulevard Project, Involved with preliminary design, scoping and scheduling for the new boulevard replacing the old I-40 through downtown Oklahoma City.
- I-35/SH 51 Interchange and Inlay Project in Payne County. Project engineer for the design of the I-35 interchange at the Stillwater exit. Also included 3.5 miles of concrete inlay on I-35 both north and south of the interchange.

Division 5

- ODOT / City of Altus Street Projects. Joint venture with ODOT's Local government division and the City of Altus, OK. The project consists of two separate one mile roadway improvement projects and one 1-1/2 mile streetscape project. MKEC prepared an overall engineering report with various design alternates to complete all three projects within the allowable budget.

EDUCATION

M.S., Civil Engineering
Oklahoma State University

B.S., Civil Engineering
Oklahoma State University

REGISTRATION/CERTIFICATION

Professional Engineer
Oklahoma No. 21084
Oklahoma Certified Floodplain
Manager No. OK-14-00028

PROFESSIONAL MEMBERSHIPS

American Society Of Civil Engineers
Oklahoma Society of
Professional Engineers
Oklahoma Floodplain
Managers Association

WORK HISTORY

MKEC Engineering, Inc.
2011 – Present

MacArthur Associated Consultants
Oklahoma City, OK
Senior Project Manager
1999-2011

GREG SPARKS, PE,CFM - Civil Engineer/Senior Project Manager

Project Experience Continued:

Division 7

- SH-5 over Beaver Creek and overflows west of Hastings in Jefferson County. Roadway and traffic engineer for 1.2 miles of offset alignment.

Division 8

- I-244 over 33rd W. Avenue in Tulsa County. Provided traffic control and roadway design for the I-244 bridge repair Tulsa.

Oklahoma Turnpike Authority (OTA)

- Vinita Service Plaza Rehabilitation: Overall project manager for civil, electrical, mechanical and landscape site design for the renovation of the McDonald's over I-44 near Vinita, OK. Overall construction costs were approximately \$21 million.
- I-44 east of Chickasha in Grady County (HEB MC-36): Project engineer/manager for six miles of concrete pavement rehabilitation along the H.E. Bailey Turnpike in southwestern Oklahoma.
- John Kilpatrick Turnpike concrete pavement rehabilitation (JKT-MC-4). 9-miles of dowel bar retrofitting and diamond grinding.

COUNTY TRANSPORTATION PROJECTS

Hughes

- 5.0 miles of roadway reconstruction east of US 75 on Yeager Road.

McCurtain

- Bridge replacement and offset alignment over Little River.

McIntosh

- 3 miles of widening and overlay with asphalt pavement inspection and repair on Texanna Road.
- Bridge 052 replacement with offset alignment.
- 5 miles of widening and overlay on Texanna Road.

Oklahoma

- Britton Road to Triple X Road. 2.0 miles of roadway including hydraulics and survey.

Tillman

- 10.5 miles of new roadway on Baseline Road.

MUNICIPAL AND MILITARY TRANSPORTATION PROJECTS

City of Oklahoma City

- PC-0420 & WC-0726: NW 122nd Street from County Line Road to Council Road.
- PC-0436: Pennsylvania Avenue from NW 192nd Street to the City Limits.
- PC-0371: NW 178th Street Portland Avenue to May Avenue
- BC-0201 & 0202 Bridge Replacement Projects: Two bridge replacement projects. One bridge is on SW 59th Street abutting the town of Mustang and the second is on Cimarron Road west of Yukon.

Military

- Base wide pavement inspection and repairs at the Will Rogers Air National Guard Base.

LUKE JOST, PE - Civil Engineering/Project Engineering



EDUCATION

B.S. Civil Engineering, 2011
Kansas State University

REGISTRATION/CERTIFICATION

Professional Engineer (OK No. 28497)

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers

CONTINUING EDUCATION

"HEC-HMS Hydrologic Modeling System & HEC-RAS River Analysis System," 2-day course on hydraulic modeling software.

"Fundamentals of Water Distribution Design & Modeling" by Bentley," 3-day course on Bentley's WaterCAD and WaterGEMS software

WORK HISTORY

MKEC Engineering, Inc.
2011 – Present

Mr. Jost is responsible for the design and preparation of detailed plans and reports for transportation, municipal, and development projects. Project design experience includes horizontal and vertical geometry, site grading, hydraulic and hydrologic calculations for bridges and storm water sewer systems, waterline design & modeling, and sanitary sewer systems. Design software knowledge includes AutoCAD Civil3D, HY-8, HEC-RAS, HEC-HMS, Hydraflow Design Suite, HydroCAD, and Bentley WaterCAD.

HIGHWAY TRANSPORTATION PROJECTS

- **ODOT & the City of Altus Street Projects**

Joint venture with ODOT's Local government Division and the City of Altus, OK. The project consists of two separate one mile roadway improvement projects and one 1-1/2 mile streetscape project. Served as the project engineer for both roadway projects.

- **SkyDance Bridge, Oklahoma City, OK**

MKEC recently completed collaboration with Spatial Experiments Lab to design this unique, iconic pedestrian bridge structure over the relocated I-40 in downtown Oklahoma City, OK.

- **Spring Creek Trail, Edmond, OK**

Design and detailed plan production for 2.5 miles of multi-purpose trail from I-35 to Spring Creek Park at Arcadia Lake. Project was designed to meet ADA and AASHTO Bicycle Design Guide requirements where possible.

- **SH-51 over Harrington Creek in Payne County**

Bridge replacement project with a temporary shoo-fly alignment. Assisted with the roadway and traffic design.

- **SH-37 Sidewalk Improvement Project**

Project engineer for over 1,800 feet of proposed and rehabilitated sidewalk in Tuttle, Oklahoma in coordination with ODOT and the City of Tuttle.

- **SH-31 East of Krebs, OK**

Originally scoped as 1.4 miles of offset alignment and 0.9 miles of overlay and widening. To minimize ROW impacts an alignment study was performed to determine the best route. Project was later re-scoped as a 3R project. Serves as the project engineer.

- **US-64 over Cow Creek in Noble County**

Consisted of a three span P.C. beam type IV bridge and curb and gutter urban roadway. Assisted with the roadway and traffic design.

- **US-77 over Black Bear Creek in Noble County**

Assisted with the roadway and traffic for a bridge replacement and approach project.

COUNTY AND MUNICIPAL PROJECTS

- **Stevens Avenue Street Replacement**

Assisted in plan preparation for paving and drainage plans for 2,500 feet of residential roadway in Blackwell, Oklahoma.

- **BC-0201 & 0202 Bridge Replacement Projects**

Two City of Oklahoma City bridge replacement projects. One bridge is on SW 59th Street abutting the town of Mustang, OK and the second is on Cimarron Road west of Yukon, OK. Served as the project engineer.

- **PC-0420 & WC-0726: City of Oklahoma City Street Project on NW 122nd Street from County Line Rd. to Council Rd**

One mile of four lane widening through a school zone with one bridge structure and waterline relocations. Project responsibilities included roadway geometrics/plan preparation, traffic control, & waterline relocation plans.

- **PC-0436**

City of Oklahoma City: Project engineer for a street project on Pennsylvania Avenue from NW 192nd Street to the City Limits.

JONATHAN HISEY, PE - Civil Engineer



Mr. Hisey has more than 12 years of civil engineering experience with emphasis on bridge design projects. He has several years of experience as a Project Manager/Engineer on multiple ODOT projects. His design experience on transportation projects includes hydraulics, bridge design, retaining/sound wall design, lighting design, cost estimates and construction oversight as a field engineer. Additional experience includes the design of electrical transmission lines, underground utility vaults, ODOT maintenance facilities, municipal streetscapes and drainage design. Clients he has worked for include ODOT, OTA, the City of Oklahoma City, the City of Tulsa, the City of Broken Arrow, multiple Counties in Oklahoma and Oklahoma Gas & Electric.

PROJECT EXPERIENCE

BRIDGE REPLACEMENT PROJECTS

Bridge types include PC Beams, rolled steel beams, continuous plate girders, concrete slab spans and reinforced concrete boxes. In addition, several projects included sound wall and retaining wall design. Typical tasks performed were design and construction plan development including phased construction plans as necessary.

- Washington Street over I-40, Custer County
- SH 76 over Washita River, Garvin County
- SH 74 over Washita River, Garvin County
- SH 19 over Washita River, Grady County
- US 77 over Washita River, Garvin County
- US 281 over Relay Creek and 2 Unnamed Creeks, Blaine County
- US 281 over Cimarron River, Woods County
- I-40 over Peebly Road, Oklahoma County
- Harrah Road over I-40, Oklahoma County
- I-40 Crosstown WP 3.2A, WP 3.3, WP 3.4 and WP 3.5, Oklahoma County
- SH 15 over Doe and Unnamed Creek, Noble County
- NS 250 over Lake Creek, Woods County
- NS 256 over Little River, McCurtain County
- SH 31 over Buck Creek, Pittsburg County
- SH 33 over Farmrail, Custer County

BRIDGE REHABILITATION PROJECTS

Tasks performed include superstructure replacements, deck replacements, widenings, hydrodemolition, bridgedeck overlays, pier encasements, substructure repairs, construction sequencing and traffic control.

- I-35 NB and SB over Unnamed Creek, Garvin County
- SH-54 over Calvary Creek, Washington County
- NW 36th St. over I-44, Oklahoma County
- US-64 over Mountain Creek, Wagoner County
- US-152 over I-40, Beckham County
- US-183 over US-62, Kiowa County
- Indian Nation Turnpike over US-69, Pittsburg County
- Cemetery Road over I-40, Beckham County
- Canute Road over I-40, Beckham County
- US-62 over I-44, McClain County

ODOT MAINTENANCE FACILITIES

These projects included the design of new office and shop buildings, vehicle storage sheds, salt storage sheds, salt & sand spreader racks and fuel pump canopies.

- Boise City Salt Shed, Cimarron County
- Edmond Super Salt Shed, Oklahoma County
- El Reno Super Salt Shed, Canadian County
- Roger Mills County Maintenance Facility
- Ellis County Maintenance Facility
- Cotton County Maintenance Facility

MUNICIPAL PROJECTS

- Sooner Road over Coffee Creek Bridge - Pier Repair/Rehabilitation, City of Edmond
- Florence Street over White Church Creek – 5 Barrel RCB Skewed 30°, City of Broken Arrow
- 101st Street Widening – Gravity Retaining Wall Design, City of Tulsa
- NW 164th St. and N. Penn Ave. over Unnamed Creek – Design of Two Double Barrel RCBs, City of Oklahoma City
- N. Penn Avenue over Unnamed Creek – Design of Four Barrel RCB, City of Oklahoma City

EDUCATION

M.S., Civil Engineering
Oklahoma State University

B.S., Civil Engineering
Oklahoma State University

REGISTRATION/CERTIFICATION

Professional Engineer
Oklahoma No. 23127

PROFESSIONAL MEMBERSHIPS

American Society Of Civil Engineers

WORK HISTORY

MKEC Engineering, Inc.
2014 – Present

CEC Corporation/Cobb Engineering
2008 – 2014

Jacobs/Carter Burgess
2006 – 2008

Kansas Department of Transportation
2004 – 2006

HAI WEI LIM, EI - Civil Engineering



Mr. Lim has served as a structural design engineer on with highway and municipal transportation projects. He is responsible for bridge designs, bridge plan developing, detailing, QA/QC, cost estimating, and permit preparation. His project experience includes bridge design calculations and planning, site grading and erosion control. He also performs bridge load rating calculation for municipal bridges. Hai Wei is experience with the engineering software LEAP Consys and RC-Pier, MDX Software, Brass-Culvert, AASHTOWare Bridge Rating, BAR7 by PennDot, Microstation and AutoCAD.

BRIDGE INSPECTIONS

Mr. Lim is a qualified team leader with experience inspecting bridges in Harvey and Harper counties using NBI manual, report preparation, load ratings etc. in the state of Kansas.

Mr. Lim has attended ODOT QA/QC training since the year 2014 and is familiar with ODOT PONTIS manual. He has performed load ratings for several counties in the state of Oklahoma.

HIGHWAY TRANSPORTATION PROJECTS

- **SH 51 Over Harrington Creek in Payne County:** Performed bridge plan checking and quantity take off for new 34 ft. RCB bridge extension.
- **SH 64 over Cow Creek in Noble County:** Performed bridge plan checking and quantity take off for a new 180.5 ft. PCB beam bridge.
- **SH 9 Over Unnamed Creek and SH 99A Over East Gar Creek in Seminole County:** Performed RCB bridges with internal drop plan checking, quantity take off and cost estimation.
- **SH 19 Over Beef Creek and SH 74 Over Unnamed Creek in Garvin County:** Designed RCB with internal drop. Performed bridge plan detailing and checking, quantity take off and cost estimation.
- **SH 109 Over Kiamichi River in Choctaw County:** Performed bridge plan detailing and checking, quantity take off and cost estimation for a 466.7 ft PCB beam bridge.

COUNTY AND MUNICIPAL PROJECTS

- **Cimarron Road and 59th Street, City of Oklahoma City:** Designed RCB bridges and quantity take off with cost estimate.
- **EW-96 Bridge #49 over Trib. To Uncle John Creek, Canadian County:** Performed bridge plan checking and quantity take off for a new 80 ft. PCB beam bridge.
- **EW-1107 Bridge #85 over Little Skin Bayou Creek, Sequoyah County:** Performed bridge plan checking, quantity take off, cost estimates and prepared 404 permit for a new 170.2 ft. PCB beam bridge.
- **EW-440 Bridge #28 over Taloka Creek, Haskell County:** Performed bridge plan checking, quantity take off, cost estimates and prepared 404 permit for a new 78.2 ft. PCB beam bridge
- **Bridge over Fourche Maline, Latimer County:** Performed bridge quantity take off and cost estimations for two new 110.2 ft. PCB beam bridge
- **City of Wichita, Kansas- South Broadway Bridge:** Performed bridge plan checking and quantity take off for a 479 ft. continuous steel girder bridge. Review shop drawing for fabrication.
- **City of Wichita, Kansas- Central Avenue and 135th bridge:** Performed bridge plan checking and quantity take off for two 160 ft. reinforced concrete hunched slab bridge. Review shop drawing for fabrication.

EDUCATION

BS Civil Engineering
University of Oklahoma

MS Civil Engineering with
Structural Emphasis
University of Oklahoma

REGISTRATION/CERTIFICATION

Engineer Intern (No. EI 14423)
Bridge Inspection Team Leader,
Kansas

PROFESSIONAL MEMBERSHIPS

Kansas Society of
Professional Engineers

CONTINUING EDUCATION

"NHI- Safety Inspection of In-Service
Bridges,"
10-days course on bridge inspection
related information

"NHI- Fracture Critical Inspection
Techniques for Steel Bridges," 3.5
-days course on identify and inspect
fracture critical steel bridges

WORK HISTORY

MKEC Engineering, Inc.
2012 – Present

TREVOR McDOUGALL, EI - Civil Engineering



EDUCATION

B.S. Civil Engineering, 2013
University of Oklahoma

REGISTRATION/CERTIFICATION

Engineer Intern (No. EI 15193)

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers

WORK HISTORY

MKEC Engineering, Inc.
2013 – Present

Mr. McDougall is responsible for the design and detailing of bridge and roadway plans, hydraulic reports, cost estimates as well as tasks for municipal and development projects. Project design experience includes hydraulic and structural calculations for state and county bridge designs, roadway geometry, 404 permitting, site grading and utility coordination. Proficient in Microstation, Autocad, Estimator, LEAP RC-PIER, MDX Software, BRASS-CULVERT, HEC-RAS and HY-8.

HIGHWAY TRANSPORTATION PROJECTS

- **SH-19 over Beef Creek in Garvin County:** Assisted in the design, cost estimation, quantities and preparation of detailed plans.
- **SH-74 over Unnamed Creek in Garvin County:** Assisted in the design, cost estimation, quantities and preparation of detailed plans.
- **SH-74 Over Unnamed Salt Creek Tributary in Garvin County:** Assisted in the design, cost estimation, quantities and preparation of detailed plans.
- **SH-99A Over East Gar Creek:** Assisted in the design of span bridge, cost estimation, quantities and preparation of detailed plans.
- **SH-9 Over Unnamed Creek:** Assisted in design of two Custom RCB box bridges with 6ft drop and 7ft drop. Also prepared quantities, cost estimations and preparation of detailed plans.
- **SH-109 Over Kiamichi River:** Primary Pier Designer. Also prepared quantities, cost estimations and preparation of detailed plans.

COUNTY TRANSPORTATION PROJECTS

- **Base Line Road Tillman County:** Assisted in the design and preparation of detailed plans for the grading, draining and surfacing of Major Collector 71-08C (Base Line Road). Assisted in preparation of hydraulic report and hydraulic design.
- **Canadian County Bridge #49:** Design and prepared the hydraulic report, 404 permit and plans for the bridge and approach roadway. Prepared preliminary cost estimate using Estimator.
- **Canadian County Bridge #50:** Assisted in design and prepared the hydraulic report and plans for the bridge and approach roadway.
- **Four Beam Standards Development:** Assisted in preparing the structural details and plan sheets for the new four beam county standard. These standards use four P.C. Beams supporting 28' clear roadway bridge deck for counties in the CED7 area.
- **06-40C Road, Blain County:** Prepared ROW parcels and legal documents roadway project as per ODOT guidelines to assist the county with the R/W acquisition process.
- **McIntosh County Bridge No. 052:** Assisted in design and prepared the hydraulic report and plans for bridge and approach roadway. Prepared preliminary cost estimate using Estimator.
- **Sequoyah County Bridge No. 085:** Assisted in design and prepared the hydraulic report and plans for bridge and approach roadway. Prepared preliminary cost estimate using Estimator.
- **McCurtain County Bridge Over Big Eagle Creek #07:** Assisted in design and prepared the hydraulic report, 404 permit and plans for the bridge and approach roadway. Prepared preliminary cost estimate using Estimator.
- **McIntosh County Texanna Road:** Assisted in 3.0 mile Roadway Overlay project that included developing hydraulic models and design of several cross drain structures. Assisted in preparing the Drainage maps, Summary of Drainage Design and Summary of Drainage Structures.

OLGA HOPPER, PE - Project Engineer



Mrs. Hopper has over 10 years of civil engineering experience in the design and construction of roadways, streets, and utilities. Mrs. Hopper has worked on several roadway and bridge projects with the Oklahoma Department of Transportation and has experience in roadway design utilizing both Microstation InRoads and AutoCAD Civil 3D. She has extensive knowledge in hydrologic design, hydraulic analysis, network storm sewer systems, hydraulic modeling, design calculations, cost estimating and specifications. Olga utilizes HY-8, HEC-RAS, HydroCAD and Hydroflow software and is well experienced in right-of-way plans and utility coordination.

HIGHWAY TRANSPORTATION PROJECTS

- **SH-19 Bridge over Beef Creek in Garvin County:** Roadway and Hydraulic design to replace of the structurally deficient and narrow span bridge, with a temporary shoo-fly alignment.
- **SH-74 Bridge over Unnamed Creek in Garvin County:** Project engineer in charge of roadway and hydraulic design replacing a structurally deficient bridge with temporary shoo-fly alignments.
- **SH-74 Bridge over Unnamed Salt Creek Tributary:** Project engineer in charge of roadway and hydraulic design replacing a structurally deficient and narrow span bridge with temporary shoo-fly alignments
- **SH-20 Bridge over Sycamore Creek in Osage County:** Hydraulic design to determine bridge size for a structurally deficient bridge.
- **SH-105 over Headquarters Creek in Lincoln County:** Hydrology and hydraulics report QA & QC control for Garver Engineering.
- **SH-82 Over Snake Creek in Sequoyah County:** Performed the hydrologic design and hydraulic analysis & accompanying report to replace functionally obsolete bridge.

COUNTY TRANSPORTATION PROJECTS

- **Baseline Road in Tillman County:** Project engineer in charge of roadway and hydrology and hydraulics for 10.5 mile roadway project with two bridges.
- **NS-444 over Taloka Creek and over flow structure in Haskell County:** Project engineer for roadway and hydrology and hydraulic design to replace existing bridge and approaches. Prepared Right of way plans and instruments.
- **NS-456 over Little River in McCurtain County:** Project engineer for roadway and hydrology & hydraulic design on a new roadway alignment & bridge over Little River.
- **EW-687 Over Blackbird Creek in Cherokee County:** Project Manager and Engineer for bridge and approaches including hydrology and hydraulics. Prepared Right of way plans and instruments.
- **EW-1108 over Little Skin Bayou Creek in Sequoyah County:** Roadway and hydrology and hydraulic design to replace existing bridge and approaches. Prepared Right of way plans and instruments.
- **EW-174 over Big Eagle Creek in McCurtain County:** Hydrology and hydraulic analysis and report to replace obsolete bridge on a new alignment.
- **EW-115 over Texanna Creek:** Hydrology and hydraulic analysis to replace bridge on a new alignment.
- **NS-250 Blaine County:** Hydrology and hydraulic design for four miles of roadway, including engineering report.

EDUCATION

M.S. in Civil (Water Resources)
Engineering (ongoing)
Oklahoma State University

B.S. in Civil Engineering, Pontificia
Universidad Javeriana
Bogota, Colombia

REGISTRATION/CERTIFICATION

Professional Engineer State of
Oklahoma # 24917

WORK HISTORY

MKEC Engineering, Inc.
December 2012 – Present

Koneru Consulting Services
March 2012 – December 2012

Mehlburger Brawley, Inc.
November 2010-March 2012

Isch and Associates, Inc.
February 2005 – November 2010

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers
Served as Secretary 2013-2014
Oklahoma Society of
Professional Engineers

KEVIN INGRAM, PLS - Professional Surveyor/Survey Manager



Mr. Ingram has over 40 years of experience in the Land Surveying Profession. Starting as a rodman, he worked his way up to manager and has been so for the last 29 years. He has been involved in almost every aspect of land surveying including but not limited to Department of Transportation, boundary, topographic, ALTA/ACSM Land title, hydrographic, construction, design, and platting. Mr. Ingram is involved in the field and office with the latest state of the art software and equipment.

HIGHWAY TRANSPORTATION PROJECT EXPERIENCE

- ODOT – SH18 - Oklahoma
- ODOT – SH74 - Oklahoma
- ODOT– Falcon Road – Altus, OK
- ODOT– Park Lane – Altus, OK
- Oklahoma Turnpike Authority – Vinita Service Plaza – Vinita, Oklahoma
- Oklahoma City Skydance Pedestrian Bridge – Oklahoma City, Oklahoma
- F.D.O.T. – 1-95 Expansion

COUNTY AND MUNICIPAL TRANSPORTATION PROJECT EXPERIENCE

- Texanna Road, McIntosh County, OK 5 mile road improvement survey
- Bridge 35 Cherokee County, Ok, Bridge replacement survey
- Bridge 28 McIntosh County, OK, Bridge replacement survey
- Bridge over Little River, McCurtain County, OK, Bridge replacement survey
- Oklahoma City Bridge Projects – BC201-202 – Oklahoma City, OK
- 122nd Street from Council Rd. to County Line Rd. – Oklahoma City, OK
- Pennsylvania Ave. from 192nd Street to City Limits – Oklahoma City, OK
- N.W. 23rd Street Streetscape – Oklahoma City, OK
- Dunjee Wastewater Treatment Plant – Oklahoma City, OK

TYPES OF SURVEY EXPERIENCE

- Boundary
- Topographic
- Subdivision
- Hydrographic
- ALTA / ACSM
- Wetlands
- Platting
- Construction Layout
- Section Retracement
- GPS
- Builder Surveys
- As-Built Surveys
- Aerial
- DOT

EDUCATION

West Palm Beach
Community College

REGISTRATION/CERTIFICATION

Professional Land Surveyor
Oklahoma No. 1717
Florida No. 4157

PROFESSIONAL MEMBERSHIPS

Oklahoma Society of
Land Surveyors

WORK HISTORY

MKEC Engineering, Inc.
2011 – Present

Anchor Engineering
Survey Manager
2009 – 2011

Red Plains Surveying
Survey Manager
2008 – 2009

Leading Edge Land Services
Vice President
2006 – 2008



STATE OF OKLAHOMA

Consultant Services For A Specific Project

1. Project Name/Location for which firm is filing: Engineering Contract EC-1813: Preliminary Engineering, Preparation of Construction Plans (Pre-Qualification for County Engineering Services)
2a. Date of Announcement: July 15, 2016
2b. Agency originating announcement: Oklahoma Department of Transportation 200 NE 21st Street Oklahoma City, OK 73105

3. Firm (or Joint-Venture) Legal Name and Address: MKEC Engineering, Inc. 1000 W. Wilshire, Suite 401 Oklahoma City, OK 73116
3a. Certificate of Authority Number: 2958

3c. Name, Title, & Telephone Number of Principal Contact: Doug Klassen, PE, Principal-in-Charge- Oklahoma 405.842.8558 Phone 405.842.8553 Fax

3b. FEI/Tax ID Number: [REDACTED]

3d. Address of office to perform work if different from Item 3:

4. Personnel by Discipline: (List each person only once, by primary function.)
Table with 4 columns: Administrative (16), Economists, Mechanical Engineers (19), Transportation Engineers (7); Architects, Electrical Engineers (14), Mining Engineers, Water Resources Engineers (1); CAD/CADD Technicians (71), Estimators, Planners: Urban/Regional; Chemical Engineers (4), Geologists (2), Sanitary Engineers (3); Civil Engineers (24), Hydrologists (1), Soil Engineers; Construction Inspectors (7), Interior Designers, Specification Writers; Draftsmen, Landscape Architects (7), Structural Engineers (11); Ecologists, Land Surveyors (11), Surveyors. Total Personnel: 200.

5. 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, Department of Central Services, 2401 N. Lincoln Blvd., Suite 106, P. O. Box 53448, Oklahoma City, OK 73152-3448.

5a. 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 PROJECT.	
Name and Title: Doug Klassen, PE	Name and Title: Sri Koneru, PE, CFM
Project Assignment: Principal in Charge	Project Assignment: Sr. Project Manager
Name of Firm with which associated: MKEC Engineering, Inc.	Name of firm with which associated: MKEC Engineering, Inc.
Years experience: With this firm 13 With other firms 6	Years experience: With this firm 2 With other firms 19
Education: Degree(s)/Year/Specialization B.S., Civil Engineering, Kansas State University B.S., Physics, Bethel College	Education: Degree(s)/Year/Specialization B.S. Civil Engineering – Osmania University M.S. Structural Engineering – Utah State University
Active Registration: State/Year first registered/Discipline/Oklahoma License Number Professional Engineer Oklahoma No. 21405 Kansas No. 16298	Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma, Professional Engineer, Professional Engineer Oklahoma No. 19966 Oklahoma Certified Floodplain Manager No. OK-14-00019
Oklahoma Certificate of Authority (if any) 2958	Oklahoma Certificate of Authority (if any) 2958
<p>Other experience and qualifications relevant to the proposed project: Mr. Klassen serves as Principal-in-Charge of MKEC's Oklahoma City office. He is responsible for managing personnel and business development. Mr. Klassen is also the Sr. Project Manager responsible for design and management of municipal improvement projects and residential and commercial development projects. His project experience includes hydrology, hydraulics, water, wastewater, paving and drainage projects. Mr. Klassen also has experience preparing Storm Water Pollution Prevention Plans and NPDES Permit applications for construction activities. He has experience with hydrologic and hydraulic modeling software. He has also prepared Letters of Map Revisions and/or Amendment Applications for FEMA approval.</p> <ul style="list-style-type: none"> • SH-31 East of Krebs, OK: Originally scoped as 1.4 miles of offset alignment and 0.9 miles of overlay and widening. To minimize ROW impacts an alignment study was performed to determine the best route. Project was later re-scoped as a 3R project. Serves as the Principal-In-Charge. • ODOT & the City of Altus Street Projects: Joint venture with ODOT's Local government Division and the City of Altus, OK. The project consists of two separate one mile roadway improvement projects and one 1-1/2 mile streetscape project. Served as the Principal-in-Charge. • US-64 over Cow Creek in Noble County. Consisted of a three span P.C. beam type IV bridge and curb and gutter urban roadway. Served as the Principal-in-Charge. • SH-51 over Harrington Creek in Payne County. Bridge replacement project with a temporary shoo-fly alignment. Served as the Principal-in-Charge. • US-77 over Black Bear Creek in Noble County. Bridge replacement and approach project. Served as the Principal-in-Charge. • SH-9 over Stinking Creek in Kiowa County. Three span bridge replacement as part of the Load Posted Bridge Replacement program. Served as the Principal-in-Charge. • SH-9 over Rainy Mountain Creek in Kiowa County. Bridge replacement as part of the Load Posted Bridge Replacement program. Served as the Principal-in-Charge. • SH-77 over Caddo Creek in Carter County. Five span bridge replacement as part of the Load Posted Bridge Replacement program. Served as the Principal-in-Charge. • SH-37 Sidewalk Improvement Project. Project Manager for over 1,800 feet of proposed and rehabilitated sidewalk in Tuttle, Oklahoma in coordination with ODOT and the City of Tuttle. • SkyDance Bridge, Oklahoma City, OK. MKEC recently completed collaboration with Spatial Experiments Lab to design this unique, iconic pedestrian bridge structure over the relocated I-40 in downtown Oklahoma City, OK. Mr. Klassen served as 	<p>Other experience and qualifications relevant to the proposed project: Mr. Koneru has over 20 years of civil engineering experience with emphasis on urban and rural transportation projects. He has several years of project management experience on numerous ODOT projects as part of the 8-year construction programs and the Governor's bridge replacement program along with the CIP, Load-Posted Bridge, SBR and CIRB programs. His design experience includes all aspects of transportation projects including survey acquisition, hydraulics, roadway and bridge design, traffic, right-of-way/ utility coordination, schedules, cost estimates and construction support. Mr. Koneru is also a ODOT certified bridge Inspection program manager and has experience in bridge inspections (NBI/ PONTIS) as well as providing evaluations and repair recommendations/ rehabilitation plans. Clients he has worked for include ODOT, OTA, Oklahoma Military Dept., Oklahoma Air National Guard, Tulsa Army Corps of Engineers along with several Cities and Counties in Oklahoma.</p> <ul style="list-style-type: none"> • SH-32 over Rock Creek, Love County • SH-53 over Deer Creek, Stephens County. • Little Peavine Creek, Garvin County • Bridge on SH-19 over Beef Creek, Garvin County • Two bridges on SH-74 over Unnamed Creeks, Garvin County • SH-99A over East Gar Creek, Seminole County • SH-156 over Deadman Creek, Noble County • SH-66 over Sand Creek, Creek County • US-270 Bridge over Little Robe Creek, Dewey County • Two bridges on SH-31 over Unnamed Creeks, Pittsburg County • Rehabilitation of Bridge 18.27, H.E. Bailey Turnpike, Grady County • Rehabilitation of Bridge 0.87, Muskogee Turnpike, Wagoner County • US 62/ 281 near Apache, Caddo County • US 70 near Millerton, ODOT, McCurtain County • Off-system Bridge Inspection since 1994

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.

<p>Name and Title: Jonathan Hisey, PE</p>	<p>Name and Title: Hai Wei Lim, EI</p>
<p>Project Assignment: Project Manager/Engineer – Bridge</p>	<p>Project Assignment: Project Engineer - Bridge</p>
<p>Name of firm with which associated: MKEC Engineering, Inc.</p>	<p>Name of firm with which associated: MKEC Engineering, Inc.</p>
<p>Years experience: With this firm 1 With other firms 10</p>	<p>Years experience: With this firm 4 With other firms 0</p>
<p>Education: Degree(s)/Year/Specialization M.S., Civil Engineering, Oklahoma State University B.S., Civil Engineering, Oklahoma State University</p>	<p>Education: Degree(s)/Year/Specialization BS Civil Engineering University of Oklahoma MS Civil Engineering with Structural Emphasis University of Oklahoma</p>
<p>Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma, Professional Engineer, Oklahoma No. 23127</p>	<p>Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma, Professional Engineer, Engineer Intern – No. EI 14423</p>
<p>Oklahoma Certificate of Authority (if any) 2958</p>	<p>Oklahoma Certificate of Authority (if any) 2958</p>
<p>Other experience and qualifications relevant to the proposed project: Mr. Hisey has more than 12 years of civil engineering experience with emphasis on bridge design projects. He has several years of experience as a Project Manager/Engineer on multiple ODOT projects. His design experience on transportation projects includes hydraulics, bridge design, retaining/sound wall design, lighting design, cost estimates and construction oversight. Additional experience includes the design of electrical transmission lines, underground utility vaults, ODOT maintenance facilities, municipal streetscapes and drainage design.</p> <ul style="list-style-type: none"> • SH-33 over Farmrail Railroad, Custer County: Project Engineer in charge of designing 92'-85'-92' steel beam bridge on 45° skew. Currently under design. • SH 31 over Buck Creek, Pittsburg County: Project Engineer in charge of designing triple 14'x12'x144' RCB on 35° skew. RCB has custom straight end sections and was designed for to phases of construction. • NS 256 over Little River, McCurtain County: Project Engineer in charge of designing 100'-237'-100' continuous plate girder bridge with integral abutments. • NS 250 over Lake Creek, Woods County: Project Engineer in charge of designing 30'-40'-30' flat concrete slab bridge on 30° skew with integral abutments. • I-35 NB & SB over Unnamed Creek, Garvin County: Project Manager for complete superstructure replacement of twin side by side bridges. The project also included 600' of dowel jointed PC concrete pavement reconstruction at each end of the bridges. • SH-54 over Cavalry Creek, Washita County: Project Manager for complete superstructure replacement and widening of 5 span steel beam bridge on a 30° skew. Work also included new pier caps and strengthening one abutment for wider beam spacing. <p><u>Completed at Previous Employer</u></p> <ul style="list-style-type: none"> • Washington Street over I-40, Custer County • SH 76 over Washita River, Garvin County • SH 74 over Washita River, Garvin County • SH 19 over Washita River, Grady County • US 77 over Washita River, Garvin County • I-40 over Peebly Road, Oklahoma County • Harrah Road over I-40, Oklahoma County • I-40 Crosstown WP 3.2A, WP 3.3, WP 3.4 and WP 3.5, Oklahoma County 	<p>Other experience and qualifications relevant to the proposed project: Mr. Lim has served as a structural design engineer on highway and municipal transportation projects. He is responsible for bridge designs, bridge plan developing, detailing, QA/QC, cost estimating, and permit preparation. His project experience includes bridge design calculations and planning, site grading and erosion control. He also performs bridge load rating calculation for municipal bridges. Hai Wei is experienced with the engineering software LEAP Consys and RC-Pier, MDX Software, Brass-Culvert, AASHTOWare Bridge Rating, BAR7 by PennDot, Microstation and AutoCAD.</p> <ul style="list-style-type: none"> • I-35 NB & SB over unnamed creek, Garvin County: Performed design check, plan and quantity take off for superstructure, replacement of twin side by side bridges. • SH -54 over Cavalry Creek, Washita County: Performed design check, plan detailing and quantity take off for superstructure, replacement and widening of 5 span steel bridge on a 30° skew. The project including pier cap replacement and strengthening one abutment for wider beam spacing. • NW 36th Street over I-40, Oklahoma County: Performed plan detailing for bridge deck rehabilitation and approach slab replacement. • SH-64 over Mountain Creek, Wagoner County: Performed plan detailing, checking and quantity take off for substructure rehabilitation including pier cap encasement. • SH-33 over Farmrail Road, Custer County: Performed design check for bridge over railroad. Including design and detailing custom end section for a RCB bridge. • NS 456 over Litter River, McCurtain County: Performed design check, plan detailing and quantity take off of 2 span, continuous plate girder bridge with integral abutments, including detailing and quantity take off for approach roadway. • CED 8: Performed design, design check, plan detailing and quantity take off for pier design in multiple counties. • NS 250 over Lake Creek, Woods County: Performed design check, load rating and quantity take off for a 30'-40'-30' flat concrete slab bridge skew with integral abutments. • City of Wichita, Kansas- Central Avenue and 135th bridge: Performed bridge plan checking and quantity take off for two 160 ft. reinforced concrete hunched slab bridge. Review shop drawing for fabrication. • SH 51 and SH 64 Bridge: Performed bridge plan checking and quantity take off for new 34 ft. RCB bridge extension and 180.5 ft. PCB beam bridge. • Sedgwick County, Kansas- B454 and B449: Performed bridge plan checking and quantity take off for new RCB bridge. Prepared cost estimation for county bidding. • Sedgwick County, Kansas- Kellogg Improvements: Performed multiple RCB storm sewer lines plan check and quantity take off. The length of the RCB storm sewer lines

	measured from 5 ft. to 436 ft.
6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.	
Name and Title: Greg Sparks, PE, CFM	Name and Title: Olga Hopper, PE
Project Assignment: Project Manager	Project Assignment: Roadway and Hydraulic Project Engineer
Name of firm with which associated: MKEC Engineering, Inc.	Name of firm with which associated: MKEC Engineering, Inc.
Years experience: With this firm 3 With other firms 13	Years experience: With this firm 2 With other firms 20
Education: Degree(s)/Year/Specialization M.S., Civil Engineering, Oklahoma State University B.S., Civil Engineering, Oklahoma State University	Education: Degree(s)/Year/Specialization B.S. in Civil Engineering, Pontifica Universidad Javeriana, Bogota, Columbia M.S. in Civil Engineering, Oklahoma State University - Ongoing
Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma, Professional Engineer, Professional Engineer Oklahoma No. 21084 Oklahoma Flood Plain Manager No. OK-14-00028 Oklahoma Certificate of Authority (if any) 2958	Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma, Professional Engineer Professional Engineer Oklahoma No. 24917 Oklahoma Certificate of Authority (if any) 2958
Other experience and qualifications relevant to the proposed project: Mr. Sparks has over 16 years experience specializing in rural and urban roadway and construction traffic control design, hydraulics and project management. Mr. Sparks has worked on over 40 roadway and traffic projects with the Oklahoma Department of Transportation including the CIP, Load-Posted Bridge program, SBR and CIRB programs. Greg is an Oklahoma certified floodplain manager. <ul style="list-style-type: none"> • SH-31 east of Krebs. Originally scoped as 1.4 miles of offset alignment and 0.9 miles of overlay and widening. To minimize ROW impacts an alignment study was performed to determine the best route. Project was later re-scoped as a 3R project. Serves as the project manager. • SH-3 starting at SH-98 then east 6 miles towards Broken Bow. Project was originally scoped as a 2 on 4 offset alignment with two bridges. Served as the project manager and roadway engineer. • US-70 east of Garvin in McCurtain County. Project manager & engineer for 2.4 miles of parallel offset alignment. • US-70 west of Mead in Bryan County. Project engineer for 2.7 miles of widening for a 5-TWLTL • SH-3 near Lane in Atoka County. Included 5.3 miles of parallel offset alignment. • SH-102 over the North Canadian River in Pottawatomie County. Roadway and traffic design for offset alignment and bridge replacement. • SH-51 over Harrington Creek west of Stillwater. Project manager of a bridge replacement project with a temporary shoo-fly alignment. • I-40 Boulevard Project, Involved with preliminary design, scoping and scheduling for the new boulevard replacing the old I-40 through downtown Oklahoma City. • SH-5 over Beaver Creek and overflows west of Hastings in Jefferson County. Roadway and traffic engineer for 1.2 miles of offset alignment. • ODOT / City of Altus Street Projects. Joint venture with ODOT's Local government division and the City of Altus, OK. The project consists of two separate one mile roadway improvement projects and one 1-1/2 mile streetscape project. MKEC prepared an overall engineering report with various design alternates to complete all three projects within the allowable budget. • I-35/SH 51 Interchange and Inlay Project in Payne County. Project engineer for the design of the I-35 interchange at the Stillwater exit. Also included 3.5 miles of concrete inlay on I-35 both north and south of the interchange. • SH-74 over Wild Horse Creek in Carter and Garvin County. Served as the roadway engineer for offset alignment and bridge replacement. • US-70 west of Soper in Choctaw County. Traffic and roadway design for 2.7 miles of overlay and widening. 	Other experience and qualifications relevant to the proposed project: Mrs. Hopper has over 10 years of civil engineering experience in the design and construction of roadways, streets, and utilities. Mrs. Hopper has worked on several roadway and bridge projects with the Oklahoma Department of Transportation and has experience in roadway design utilizing both Microstation InRoads and AutoCAD Civil 3D. She has extensive knowledge in hydrologic design, hydraulic analysis, network storm sewer systems, hydraulic modeling, design calculations, cost estimating and specifications. Olga utilizes HY-8, HEC-RAS, HydroCAD and Hydroflow software and is well experienced in right-of-way plans and utility coordination. Prepare bids and estimates for ODOT and County projects. <ul style="list-style-type: none"> • SH-19 Bridge over Beef Creek in Garvin County. Roadway and Hydraulic design to replace of the structurally deficient and narrow span bridge, with a temporary shoo-fly alignment. • SH-74 Bridge over Unnamed Creek in Garvin County. Project engineer in charge of roadway and hydraulic design replacing a structurally deficient bridge with temporary shoo-fly alignments. • SH-74 Bridge over Unnamed Salt Creek Tributary. Project engineer in charge of roadway and hydraulic design replacing a structurally deficient and narrow span bridge with temporary shoo-fly alignments. • SH-20 Bridge over Sycamore Creek in Osage County. Hydraulic design to determine bridge size for a structurally deficient bridge. • SH-105 over Headquarters Creek in Lincoln County. Hydrology and hydraulics report QA & QC control for Garver Engineering. • Baseline Road in Tillman County. Project engineer in charge of roadway and hydrology and hydraulics for 10.5 mile roadway project with two bridges. • NS-444 over Taloka Creek and over flow structure in Haskell County. Project engineer for roadway and hydrology and hydraulic design to replace existing bridge and approaches. Prepared Right of way plans and instruments. • NS-456 over Little River in McCurtain County. Project engineer for roadway and hydrology & hydraulic design on a new roadway alignment & bridge over Little River. • EW-687 Over Blackbird Creek in Cherokee County. Project Manager and Engineer for bridge and approaches including hydrology and hydraulics. Prepared Right of way plans and instruments. • EW-1108 over Little Skin Bayou Creek in Sequoyah County. Roadway and hydrology and hydraulic design to replace existing bridge and approaches. Prepared Right of way plans and instruments.

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6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.	
Name and Title: Trevor McDougall, EI	Name and Title: Kevin Ingram, PLS
Project Assignment: Project Engineer – Bridge/Hydraulics	Project Assignment: Survey Manager
Name of firm with which associated: MKEC Engineering, Inc.	Name of firm with which associated: MKEC Engineering, Inc.
Years experience: With this firm 2 With other firms 0	Years experience: With this firm 3 With other firms 34
Education: Degree(s)/Year/Specialization B.S. Civil Engineering, 2013 University of Oklahoma	Education: Degree(s)/Year/Specialization Professional Land Surveyor - West Palm Beach Community College
Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma, Professional Engineer, Engineer Intern – No. EI 15193	Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma No. 1717 Florida No. 4157
Oklahoma Certificate of Authority (if any) 2958	Oklahoma Certificate of Authority (if any) 2958
Other experience and qualifications relevant to the proposed project: Mr. McDougall is responsible for the design and detailing of bridge and roadway plans, hydraulic reports, cost estimates as well as tasks for municipal and development projects. Project design experience includes hydraulic and structural calculations for state and county bridge designs, roadway geometry, 404 permitting, site grading and utility coordination. Proficient in Microstation, Autocad, Estimator, LEAP RC-PIER, MDX Software, BRASS-CULVERT, HEC-RAS and HY-8.	Other experience and qualifications relevant to the proposed project: Mr. Ingram has over 40 years of experience in the Land Surveying Profession. Starting as a rodman, he worked his way up to manager and has been so for the last 29 years. He has been involved in almost every aspect of land surveying including but not limited to Department of Transportation, boundary, topographic, ALTA/ACSM Land title, hydrographic, construction, design, and platting. Mr. Ingram is involved in the field and office with the latest state of the art software and equipment.
<ul style="list-style-type: none"> ▪ SH-19 over Beef Creek in Garvin County. Assisted in the design, cost estimation, quantities and preparation of detailed plans. ▪ SH-74 over Unnamed Creek in Garvin County: Assisted in the design, cost estimation, quantities and preparation of detailed plans. ▪ SH-74 over Unnamed Salt Creek Tributary in Garvin County: Assisted in the design, cost estimation, quantities and preparation of detailed plans. ▪ SH-99A Over East Gar Creek: Assisted in the design of span bridge, cost estimation, quantities and preparation of detailed plans. ▪ SH-9 over Unnamed Creek in Garvin County: Assisted in design of two Custom RCB box bridges with 6ft drop and 7ft drop. Also prepared quantities, cost estimations and preparation of detailed plans. ▪ SH-109 Over Kiamichi River: Primary Pier Designer. Also prepared quantities, cost estimations and preparation of detailed plans. ▪ Base Line Road Tillman County: Assisted in the design and preparation of detailed plans for the grading, draining and surfacing of Major Collector 71-08C (Base Line Road). Assisted in preparation of hydraulic report and hydraulic design. ▪ Canadian County Bridge #49: Design and prepared the hydraulic report, 404 permit and plans for the bridge and approach roadway. Prepared preliminary cost estimate using Estimator. ▪ Canadian County Bridge #50: Assisted in design and prepared the hydraulic report and plans for the bridge and approach roadway. ▪ Four Beam Standards Development: Assisted in preparing the structural details and plan sheets for the new four beam county standard. These standards use four P.C. Beams supporting 28' clear roadway bridge deck for counties in the CED7 area. 	<ul style="list-style-type: none"> ▪ ODOT – SH18 - Oklahoma ▪ ODOT – SH74 - Oklahoma ▪ ODOT– Falcon Road – Altus, OK ▪ ODOT– Park Lane – Altus, OK ▪ Oklahoma Turnpike Authority – Vinita Service Plaza – Vinita, Oklahoma ▪ Oklahoma City Skydance Pedestrian Bridge – Oklahoma City, Oklahoma ▪ F.D.O.T. – 1-95 Expansion ▪ Texanna Road, McIntosh County, OK 5 mile road improvement survey ▪ Bridge 35 Cherokee County, OK, Bridge replacement survey ▪ Bridge 28 McIntosh County, OK, Bridge replacement survey ▪ Bridge over Little River, McCurtain County, OK, Bridge replacement survey ▪ Oklahoma City Bridge Projects – BC201-202 – Oklahoma City, OK ▪ 122nd Street from Council Rd. to County Line Rd. – Oklahoma City, OK ▪ Pennsylvania Ave. from 192nd Street to City Limits – Oklahoma City, OK ▪ N.W. 23rd Street Streetscape – Oklahoma City, OK ▪ Dunjee Wastewater Treatment Plant – Oklahoma City, OK

7. Work by firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not 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. Cost (000's)	
					Entire Project	Firm's Portion
1. EC-1608E, SH-54 over Cavalry Creek, Washita County, OK	C	Bridge rehabilitation that included superstructure replacement, widening and guardrail replacement of a bridge on 30° skew.	Oklahoma Department of Transportation Division 5	2015	\$1,100	\$1,100
2. EC-1608E, I-35 Northbound and Southbound over Unnamed Creek, Garvin County, OK	C	Bridge rehabilitation that included superstructure replacement, substructure repair, approach roadway reconstruction and construction sequencing.	Oklahoma Department of Transportation Division 3	2015	\$3,000	\$3,000
3. EC-1053D, SH-33 over AT&SF Railroad Custer County	C	Railroad bridge replacement with approximately 1.0 miles of roadway.	Oklahoma Department of Transportation Division 5	2016	\$3,000	\$3,000
4. EC-1394J, SH-19 over Beef Creek Garvin County	C	Replacement of structurally deficient bridge with roadway.	Oklahoma Department of Transportation Division 3	2015	\$1,100	\$1,100
5. EC-1394J, SH-74 over Unnamed Salt Creek Tributary Garvin County	C	Replacement of structurally deficient bridge with roadway.	Oklahoma Department of Transportation Division 3	2015	\$1,100	\$1,100
6. EC-1394J, SH-74 over Unnamed Creek Garvin County	C	Replacement of structurally deficient bridge with shoo-fly.	Oklahoma Department of Transportation Division 3	2015	\$700	\$700
7. EC-1504A, SH-152 Washita County	C	Widening and resurfacing of 4.9 miles of highway and bridge.	Oklahoma Department of Transportation Division 5	2016	\$6,500	\$6,500
8. EC-1409D, SH-31 Pittsburgh County, OK	C	Combination offset alignment and widening and overlay for 2.5 miles of highway including two bridges. Rescoped as a 3R project.	Oklahoma Department of Transportation Division 2	2013	\$5,000	\$5,000
9. EC-1269F, SH-51 Payne County, OK	C	Roadway, Detour and RCB Bridge Box Replacement along Harrington Creek. Concrete triple barrel (10'x10') extension.	Oklahoma Department of Transportation, Division 4	2013	\$1,800	\$1,800
10. EC-1109, SH 77 over Caddo Creek Carter County	C	Replace structurally deficient bridge and approaches	Oklahoma Department of Transportation, Division 7	2009	\$900	\$900

8. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project.

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 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. 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 foregoing is a statement of facts. My signature below indicates I have read the above excerpt from Title 61 of the Oklahoma Statutes.

Signature: 

Typed Name and Title: Doug Klassen, PE - Principal-in-Charge

Date:

7/29/16

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



STATE OF OKLAHOMA

Consultant Services For A Specific Project

1. Project Name/Location for which firm is filing: Oklahoma Department of Transportation EC-1813

2a. Date of Announcement: July 21st, 2016

2b. Agency originating announcement: Oklahoma Department of Transportation Project Management Division Room 1C-4A 200 N.E. 21st Street Oklahoma City, OK 73105

3. Firm (or Joint-Venture) Legal Name and Address: Bearing Tree Land Surveying 4201 N. Barnes Avenue Oklahoma City, OK 73112 Tel (405) 605-1081

3c. Name, Title, & Telephone Number of Principal Contact: Jacob Carroll, PLS - Owner Tel (405) 605-1081 jake@btls.us

3a. Certificate of Authority Number: 4568

3d. Address of office to perform work if different from Item 3:

3b. FEI/Tax ID Number: [REDACTED]

4. Personnel by Discipline: (List each person only once, by primary function.) Administrative Economists Mechanical Engineers 1 Project Manager Architects Electrical Engineers Mining Engineers 1 Photogrammetrist 3 CAD/CADD Technicians Estimators Planners: Urban/Regional 1 Aerial Pilot Chemical Engineers Geologists Sanitary Engineers 1 LIDAR Remote Sensing Civil Engineers Hydrologists Soil Engineers Construction Inspectors Interior Designers Specification Writers Draftsmen Landscape Architects Structural Engineers Ecologists 2 Land Surveyors 4 Surveyors 8 Total Personnel

5. 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, Department of Central Services, 2401 N. Lincoln Blvd., Suite 106, P. O. Box 53448, Oklahoma City, OK 73152-3448.

5a. 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 PROJECT.	
a. Name and Title: Jacob Carroll, PLS Owner/Program Manager	a. Name and Title: Clint Carroll Head of Survey Parties
b. Project Assignment: <ul style="list-style-type: none"> • Point-Of-Contact • Contract Administration • Project Management • Coordination/Communication 	b. Project Assignment: <ul style="list-style-type: none"> • Field Operations • Personnel • Data Collection/Management • Training
c. Name of firm with which associated: Bearing Tree Land Surveying	c. Name of firm with which associated: Bearing Tree Land Surveying
d. Years experience: With this firm 12 With other firms 8	d. Years experience: With this firm 11 With other firms 0
e. Education: Degree(s)/Year/Specialization Associate of Applied Science/1999/Surveying Technology/Oklahoma State University- Oklahoma City Associates of Applied Science/2000/Engineering Technology/Oklahoma State University- Oklahoma City	e. Education: 40 College Credit Hours towards Land Surveying Degree/Oklahoma State University-Oklahoma City
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma/2000/Professional Land Surveyor/1522 Oklahoma Certificate of Authority (if any) 4568	f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number Oklahoma/2011/Land Surveyor/1777 Oklahoma Certificate of Authority (if any) 4568
g. Other experience and qualifications relevant to the proposed project: Jacob Carroll, PLS, will serve as the Program Manager for the EC-1813, Aerial LiDAR contract. Mr. Carroll will be responsible for all contract administration, day-to-day coordination, administration, safety, and operation functions that are required for this contract. Mr. Carroll is a registered land surveyor in the State of Oklahoma. As the Owner and Manager of BTLS, Mr. Carroll has a vested interest in the successful outcome of this contract. BTLS was founded in 2004, as a land survey firm committed to delivering the highest quality product, at the appropriate technical level, in a timely manner, at a fair price. The BTLS team is the leader in new and meaningful technologies to assist in mapping the surface of the earth. Mr. Carroll will directly supervise the flight planning for this contract and assist the flight crew by recording the required check shots. A major provider of LiDAR to engineering firms in their task to build infrastructure projects across the United States, LiDAR technology is a very accurate, cost effective means to creating a design surface also known as a Digital Terrain Model (DTM).	g. Other experience and qualifications relevant to the proposed project: Clint Carroll will serve as the Project Manager for the EC-1813, Aerial LiDAR contract for ODOT. Mr. Carroll will be responsible for the daily project management and coordination of ground crews for this contract. As the Project Manager of the BTLS team, Mr. Carroll has completed numerous projects that are similar to those expected under this contract. These projects and descriptions have been listed under the experience and qualifications sections of this statement of qualifications. The experience that promotes Mr. Carroll as the leader of this team is: LiDAR and Orthophotography Experience: <ul style="list-style-type: none"> • US 70 ODOT SWO 5226(1) Marshall County • US 259 ODOT SWO 5232(1) McCurtain County • 150 Miles Roadway Replacement • 50 Bridge Replacements • 25+ State and City Parks • City of Broken Arrow (LiDAR and Orthophotos on 27 Square Miles) • Devon Energy 360 Square miles NW Oklahoma • Uranium Mine in Beeville, Texas (LiDAR and Orthophotos on 4 Square Miles) • 2000 Miles of Power Line Profile

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.	
a. Name and Title: Michael Madden Project Manager/LiDAR Supervisor	a. Name and Title: Jonathan Nazari Senior LiDAR Analyst / Photogrammetrist
b. Project Assignment: <ul style="list-style-type: none"> • Project Management • Field Operations • Data Collection/Management • Drafting and Production 	b. Project Assignment: <ul style="list-style-type: none"> • LiDAR and DEM preps for Breakline Extraction and Digital Orthos • Breakline Collection and DTM editing from LiDAR • Contour/Surface generation and Planimetric Compilation • LiDAR Data Classification & Editing
c. Name of firm with which associated: Bearing Tree Land Surveying	c. Name of firm with which associated: Bearing Tree Land Surveying
d. Years experience: With this firm 10 With other firms 0	d. Years experience: With this firm 7 With other firms 5
e. Education: Degree(s)/Year/Specialization Associate of Applied Science/2006/Oklahoma State University-Oklahoma City	e. Education: Degree(s)/Year/Specialization Union High School Diploma – 2003 Bachelor of Arts (B.A.) University of Central Oklahoma – 2007 AutoCAD Civil 3D 2011 – Certified Associate (00157113)
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma Certificate of Authority (if any) 4568	f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number Oklahoma Certificate of Authority (if any) 4568
g. Other experience and qualifications relevant to the proposed project: Michael Madden will serve as the Project Manager for the EC-1813, Aerial LiDAR contract for ODOT. Mr. Madden will be responsible for the daily project management and coordination of resources for this contract. As the Project Manager of the BTLs team, Mr. Madden has completed numerous projects that are similar to those expected under this contract. These projects and descriptions have been listed under the experience and qualifications sections of this statement of qualifications. The experience that promotes Mr. Madden as the leader of this team is: LiDAR and Orthophotography Experience: <ul style="list-style-type: none"> • Altus Air Force Base • US 70 ODOT SWO 5226(1) Marshall County • US 259 ODOT SWO 5232(1) McCurtain County • 150 Miles Roadway Replacement • 50 Bridge Replacements • 25+ State and City Parks • City of Broken Arrow (LiDAR and Orthophotos on 27 Square Miles) • Devon Energy 360 Square miles NW Oklahoma • Uranium Mine in Beeville, Texas (LiDAR and Orthophotos on 4 Square Miles) • 2000 Miles of Power Line Profile 	g. Other experience and qualifications relevant to the proposed project: Since 2009, Jonathan Nazari has been active in all phases of surveying in Photogrammetry/Aerial Survey of numerous roadway projects for Oklahoma Department of Transportations (50 miles). Some of those projects include: Durant Bypass, Bryan County, OK-20 miles of design mapping, Clearview Road 10 Miles Ofuskee County – 9 miles of design mapping and digital ortho photography, – 3 miles of design mapping for interchange, US Highway 412 – Woodward County, OK-20 miles, US Highway 183 – Tillman County, OK- approximately 20 miles US 270/SH-3 from SH 50 to US 183, H.E. Bailey/SH 9, I-35 and 240 Interchange, I-40 and Morgan Road, SH 74 and various others. He continues his education through various ASPRS, ILMF, and GIS conferences, workshops and training in the use of various software packages. Other Experience Relevant to Proposed Project: <ul style="list-style-type: none"> • 50 miles of State and County roads. Digital Ortho Photography, LiDAR Classification, Breakline Extraction/Edition, Surface Generation. • 400 miles of Pipeline, including Digital Ortho Photography, LiDAR Classification, Breakline Extraction/Editing, and Surface Generation. • 2000 miles of Powerlines, including Digital Ortho Photography, Planimetric Features, and Breakline Extraction.

7. Work by firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not 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. Cost (000's)	
					Entire Project	Firm's Portion
1. JP No. 28010(04) Garfield County	C	High Resolution Digital Imagery and LiDAR to Create Planometrics and Surface Model. Also, Field Located all Utilities, cross Drains, Side Drains and Section	Oklahoma Department of Transportation 200 N.E. 21 st Street, Room C-39 Oklahoma City, OK 73105	2010	1,400	5%
2. CIRB-177C RB CO JP No. 27406(04)	C	High Resolution Digital Imagery and LiDAR to Create Planometrics and Surface Model. Also, Field Located all Utilities, cross Drains, Side Drains and Section	Circuit Engineering District 8 3023 S. Highway 132 Enid, OK 73073	2010	1,500	5%
3. STP-123C(069)CO JP No. 26248(04)	C	High Resolution Digital Imagery and LiDAR to Create Planometrics and Surface Model. Also, Field Located all Utilities, cross Drains, Side Drains and Section	Circuit Engineering District 8 3023 S. Highway 132 Enid, OK 73073	2010	4,000	5%
4. CIRB-10C(134) RB JP No. 24800(04)	C	High Resolution Digital Imagery and LiDAR to Create Planometrics and Surface Model. Also, Field Located all Utilities, cross Drains, Side Drains and Section	Mehlburger-Brawley 5500 North Western, Suite 215 Oklahoma City, OK 73118	2010	2,000	5%
5. SWO 4463(1) JP No. 21702(04)	C	High Resolution Digital Imagery and LiDAR to Create Planometrics and Surface Model. Also, Field Located all Utilities, cross Drains, Side Drains and Section	Mehlburger-Brawley 5500 North Western, Suite 215 Oklahoma City, OK 73118	2010	1,400	5%
6. BRO-159D(057)CO Pepper Creek (CN-84)	C	Construction Plans (Survey, Grade, Drain, Surfacing & Bridge) & R/W Plans	Pawnee County 500 Harrison, Room 203 Pawnee, OK 74058	2007	295	100%
7. BRO-159D(056)CO Skedee Creek (CN-34)	C	Construction Plans (Survey, Grade, Drain, Surfacing & Bridge) & R/W Plans	Pawnee County 500 Harrison, Room 203 Pawnee, OK 74058	2006	255	100%
8. Arkansas River Bridge BRO-136D(078) Kay/Osage Counties, OK	C	Construction Plans (Survey, Grade, Drain, Surfacing & Bridge) & R/W Plans	Kay County Commissioners P.O. Box 450 Newkirk, OK 74647	2007	1,400	95%
9. Walnut Bridge - Bricktown BC-0059 Oklahoma City, OK	C	Construction Plans (Survey, Grade, Drain, Surfacing & Bridge) & R/W Plans	City of Oklahoma City 200 North Walker Oklahoma City, OK 73102	2007	4,000	70%
10. US-64 Sand Creek and W. Moccasin Creek BRFY-176B(069) and (072) Woods County, OK	C	Construction Plans (Survey, Grade, Drain, Surfacing & Bridge) & R/W Plans	Oklahoma Department of Transportation 200 NE 21 st Street Oklahoma City, OK 73105	2005	6,500	90%

8. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project.

LiDAR Aerial Service

Making a multi-million dollar investment, BTLS offers the only LiDAR system of its kind in the Americas.

How LiDAR Works

Light Detection and Ranging Technology or LiDAR involves a scanning and ranging laser system that produces pinpoint accurate, high-resolution, topographic maps.

Benefits of using LiDAR

1. Cost. The cost of laser mapping surpasses any other form of data collection method
2. Remote sensing - No trespass issue
3. No obsolescence risk to the customer
4. Get objective expertise
5. BTLS offers guaranteed service quality and excellence
6. BTLS offers customers the choice of how much or how little they would like to participate in producing the final deliverables

Land Survey/Geomatics

BTLS utilizes the latest technologies from Trimble offering complete solutions for advanced surveying.

Design Ready Survey

Whether a site is subject to a change or is planned for development, a current and high quality plan represents an essential basis for assessment, planning and subsequent design work.

Geographic Information System (GIS)

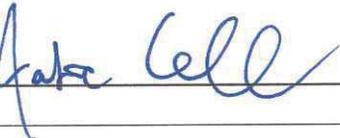
BTLS has the in-house capability to collect geo-referenced aerial imagery, as well as ground data with centimeter horizontal and vertical accuracies. All data merges seamlessly into any of the ARCVIEW, ARCGIS programs.

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 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. 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 foregoing is a statement of facts. My signature below indicates I have read the above excerpt from Title 61 of the Oklahoma Statutes.

Signature:



Typed Name and Title: Jacob Carroll, PLS - Owner/Program Manager

Date:

7-21-16

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



STATE OF OKLAHOMA

Consultant Services For A Specific Project

1. Project Name/Location for which firm is filing: Preliminary Engineering, Preparation of Construction Plans EC-1813

2a. Date of Announcement: 7/15/16

2b. Agency originating announcement: Oklahoma Department of Transportation (ODOT)

3. Firm (or Joint-Venture) Legal Name and Address: Redfire Engineering, LLC 3707 Mason Hills Dr. Edmond OK, 73034

3c. Name, Title, & Telephone Number of Principal Contact: Lonnie Ferguson Manager 405-570-4471 (cell)

3a. Certificate of Authority Number: 6160

3d. Address of office to perform work if different from Item 3:

3b. FEI/Tax ID Number [REDACTED]

- 4. Personnel by Discipline: (List each person only once, by primary function.) Administrative, Economists, Mechanical Engineers, Civil Engineer, Architects, Electrical Engineers, Mining Engineers, Estimators, Planners: Urban/Regional, Sanitary Engineers, Soil Engineers, Hydrologists, Specification Writers, Structural Engineers, Land Surveyors, Surveyors, Total Personnel

5. 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, Division of Capital Assets Management, 2401 N. Lincoln Blvd., Suite 212, P. O. Box 53448, Oklahoma City, OK 73152-3448.

5a. 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 PROJECT .	
a. Name and Title: Lonnie Ferguson	a. Name and Title:
b. Project Assignment: Utility Relocation Verification, Data Collection, and/or Estimates	b. Project Assignment:
c. Name of firm with which associated: Redfire Engineering, LLC	c. Name of firm with which associated:
d. Years experience: With this firm 5 With other firms 27	d. Years experience: With this firm With other firms
e. Education: Degree(s)/Year/Specialization BS-Construction Management May 1979 BS-Civil Engineering July 1983	e. Education: Degree(s)/Year/Specialization
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number Civil Engineering PE No. 15656 1988 Oklahoma Certificate of Authority (if any): Redfire Engineering, LLC 6160 2011	f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number Oklahoma Certificate of Authority (if any):
g. Other experience and qualifications relevant to the proposed project: Redfire Engineering, LLC specializes in Utility Relocation Coordination, and since inception has been under contract with ODOT as a Utility Relocation Coordination Service Provider	g. Other experience and qualifications relevant to the proposed project:

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT .			
a. Name and Title:		a. Name and Title:	
b. Project Assignment:		b. Project Assignment:	
c. Name of firm with which associated:		c. Name of firm with which associated:	
d. Years experience:	With this firm	With other firms	
d. Years experience:	With this firm	With other firms	
e. Education: Degree(s)/Year/Specialization		e. Education: Degree(s)/Year/Specialization	
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma Certificate of Authority (if any):		f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number Oklahoma Certificate of Authority (if any):	
g. Other experience and qualifications relevant to the proposed project:		g. Other experience and qualifications relevant to the proposed project:	
7. Work by firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not 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. Cost (000's)	
					Entire Project	Firm's Portion
1. ODOT Utility Relocation Service Provider Contract no. RW-1775H Statewide	C	Open contract to provide Utility Coordination Services for a vairety of ODOT Roadway and/or Bridge projects	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	Open		
2. ODOT Utility Relocation Service Provider Contract no. 16-R/W UTQ-03 Statewide	C	Provide Utility coordination services for 4 ODOT roadway and/or bridge projects including, Field Meetings, relocation plans, preliminary and final utility plans.	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	June 2016		\$80,990
3. ODOT Utility Relocation Service Provider Contract no. 15-R/W UTQ-03 Statewide	C	Provide Utility coordination services for 14 ODOT projects including PIH, Compliance Memo, Field and Site Meetings, relocation plans, preliminary and final utility plans.	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	June 2015		\$400,000
4. ODOT Utility Relocation Service Provider Contract no. 14-R/W UTQ-01 Statewide	C	Provide Utility coordination services for 15 ODOT projects including PIH, Compliance Memo, Field and Site Meetings, relocation plans, preliminary and final utility plans.	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	June 2014		\$350,000
5. ODOT Utility Relocation Service Provider Contract no. 13-R/W UTQ-08 Statewide	C	Provide Utility coordination services for 13 ODOT roadway and/or bridge projects including, Field Meetings, relocation plans, preliminary and final utility plans.	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	June 2013		\$400,000
6. ODOT Utility Relocation Service Provider Contract no. 12-R/W UTQ-08 Statewide	C	Provide Utility coordination services for 6 ODOT roadway and/or bridge projects including, Field Meetings, relocation plans, preliminary and final utility plans.	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	June 2012		\$100,000
7. ODOT EC-1457A Phase I- I-40 Corridor Study	C	As a sub provided Utility Data Reconnaissance and Data Collection in association with corridor Study Okla. Co. I-40	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	January 2016		\$8,625
8. ODOT EC-1589A Caddo Co Washita River Bridge. SH-281		As a sub provided Utility location verification and conceptional estimate associated with proposed road and bridge improvements in Caddo Co. on SH-281	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	January 2016		\$6,265
9. ODOT EC-1500N- I-35 over Waterloo		As a sub provided Utility location verification and conceptional estimate associated with proposed Interchange improvements to Waterloo and I-35	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	November 2015		\$6,118
10. ODOT Utility EC-1585B US-62 west of Anadarko OK		As a sub provided Utility location verification and conceptional estimate associated with proposed US-62 roadway improvements in Caddo Co.	ODOT 200 N.E. 21st Street Oklahoma City, OK 73105-3204	August 2015		\$5,780

8. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project.

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.

14. The undersigned hereby certifies that the facts stated herein are true and correct.


(Consultant Signature)

Lonnie Ferguson, Manager
(Printed Name and Title)

7/21/16
(Date)

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



STATE OF OKLAHOMA

Consultant Services
For A Specific Project

1. Project Name/Location for which firm is filing: Oklahoma DOT Solicitation Packages EC-1813	2a. Date of Announcement: July 15, 2016	2b. Agency originating announcement: Oklahoma Dept. of Transportation Purchasing Office
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3. Firm (or Joint-Venture) Legal Name and Address:
 Kleinfelder, Inc.
 10835 E. Independence, Suite 102
 Tulsa, OK 74116-5680

3a. Certificate of Authority Number: CA 7292

3c. Name, Title, & Telephone Number of Principal Contact:
 Karthik Radhakrishnan
 Program Manager
 (918) 627-6161

3b. FEI/Tax ID Number: [REDACTED]

3d. Address of office to perform work if different from Item 3:

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

3 Administrative	Economists	Mechanical Engineers	<u>3</u> Project Manager
Architects	Electrical Engineers	Mining Engineers	<u>7</u> Technician/Analyst/Driller
CAD/CADD Technicians	Estimators	Planners: Urban/Regional	<u>1</u> Biologist
Chemical Engineers	Geologists	Sanitary Engineers	<u>2</u> Environmental Scientist
Civil Engineers	Hydrologists	6 Soil Engineers	<u>1</u> Lab Manager
1 Construction Inspectors	Interior Designers	Specification Writers	_____
1 Draftsmen	Landscape Architects	Structural Engineers	_____
Ecologists	Land Surveyors	Surveyors	<u>25</u> Total Personnel

5. 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, Department of Central Services, 2401 N. Lincoln Blvd., Suite 106, P. O. Box 53448, Oklahoma City, OK 73152-3448.

N/A

5a. 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 PROJECT.	
a. Name and Title: Hai Ming Lim, PE	a. Name and Title: Nur Hossain, PE
b. Project Assignment: Project/Program Manager	b. Project Assignment: Project Engineer
c. Name of firm with which associated: Kleinfelder	c. Name of firm with which associated: Kleinfelder
d. Years experience: With this firm 5.5 years With other firms 10 years	d. Years experience: With this firm 1 year With other firms 5 years
e. Education: Degree(s)/Year/Specialization MS / 2005 / Civil Engineering- Geotechnical BS / 2000 / Civil Engineering	e. Education: Degree(s)/Year/Specialization MS / 2010 / Civil Engineering-Geotechnical BS / 2007 / Civil Engineering
f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number Oklahoma / 2005 / PE / #21726 Oklahoma Certificate of Authority (if any) 7292	f. Active Registration: State/Year first registered/Discipline/Oklahoma License Number Texas / 2014 / PE / #119173 Oklahoma / 2015 / PE / #28222 Oklahoma Certificate of Authority (if any) 7292
g. Other experience and qualifications relevant to the proposed project: Mr. Lim is a Project Manager/Senior Geotechnical Engineer for the Colorado Springs, Colorado office of Kleinfelder. Mr. Lim is active in providing technical assistance on ODOT projects for the Tulsa, Oklahoma office of Kleinfelder. His experience includes project management, drilling operations, subsurface exploration program, shallow and deep foundation systems, retaining walls, and preparing reports and analysis on a variety of projects relating to geotechnical engineering. He manages workload, interacting with other Kleinfelder offices to share resources as needed, and communicating with clients to understand their projects plans, schedules, priorities, and expectation. As part of his engineering responsibility, he has experience in slope stability, settlement, various types of retaining wall systems, forensic studies, shallow foundation system, deep foundation system, and pavement design. Examples of Mr. Lim's applicable transportation experience include: <ul style="list-style-type: none"> • 2013 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – 2 Bridge explorations. • I-40 Crosstown Projects, Oklahoma City, Oklahoma – Several bridges exploration, deep and shallow foundation analysis, pedological surveys, in-place surveys, shoulder survey, cast-in-place retaining walls analysis, MSE walls analysis, cut and embankment study, slope stability analysis, in-situ testing – Coordinated field operations, lead engineer, perform analysis, report preparation and client interaction. • I-235 (Broadway Extension) and I-44 Interchange, Oklahoma City, Oklahoma – Several bridges exploration, deep and shallow foundation analysis, pedological surveys, in-place surveys, shoulder survey, MSE wall analysis, Secant-Pile wall design, slope stability analysis, lateral resistance analysis, in-situ testing – Coordinated field operations, lead engineer, perform analysis, report preparation. • Crowder-Blocker Road Bridge, Pittsburg County, Oklahoma – Forensic studies for the failure of the existing slopes and remediation plans, and develop an alternate remediation plans from a geotechnical engineer stand point – Develop the field exploration program include in-situ testing, perform analysis, report writing, client interaction and develop alternate remediation plan. • US 59 Over Wildhorse Mountain, Sallisaw, Oklahoma – Pedological survey, bridge exploration, deep cut (80') and embankment study, slope failure study – Coordinated field operation, project engineer, perform analysis and report preparation. 	g. Other experience and qualifications relevant to the proposed project: Mr. Hossain serves as a project engineer for the Tulsa/Oklahoma City, Oklahoma office of Kleinfelder. His experience includes project management, field exploration, construction monitoring, in-situ testing, pavement distress survey, laboratory testing engineering analyses and report preparation. His engineering analysis experience includes bearing capacities, settlement, slope stability, lateral load parameters, potential vertical rise, bearing/uplift/lateral capacities, structural design of pavement, field and data reduction. He has provided geotechnical engineering recommendations for highways, bridges, retaining walls, embankments transmission lines, multi-storied buildings, stadiums etc. Examples of Mr. Hossain's applicable transportation experience include: <ul style="list-style-type: none"> • 2015 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – Project Engineer – 2 Bridge explorations • 2013 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – Project Engineer – 3 Bridge explorations. • 2011 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – Project Engineer – 2 Bridge explorations. • US-77 over Cimarron River Bridge, Logan County, Oklahoma – Project Engineer, Foundation design and analyses of 10-span bridge replacement and report preparation. • I-35/I-240 Interchange Re-alignment, Oklahoma City, Oklahoma – Project Engineer – geotechnical engineering and field and laboratory testing and coordination, global stability analysis, settlement analysis and report preparation. • Widening of I-40 over Crutcho Creek, Del City, Oklahoma – Project Engineer – in-situ Dilatometer testing for embankment and retaining walls, coordination of field and laboratory activities, settlement and lateral load analyses for embankment and retaining walls, global stability analysis, and report preparation. • Single Point Urban Interchange (SPUI), I-35 & Main Street, Norman, Oklahoma – Project Engineer – in-situ Dilatometer testing for bridge approaches and retaining walls, coordination of field and laboratory activities, settlement and time-rate of settlement analyses for embankment and retaining walls, global stability analysis, and report preparation.

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.	
a. Name and Title: Steve Wendland, PE, RG, DGE	a. Name and Title: Simon Wang, PE
b. Project Assignment: Project Engineer/Service Line Director	b. Project Assignment: Project Engineer
c. Name of firm with which associated: Kleinfelder	c. Name of firm with which associated: Kleinfelder
d. Years experience: With this firm 10 years With other firms 19 years	d. Years experience: With this firm 4 years With other firms 1 year
e. Education: Degree(s)/Year/Specialization MS / 1988 / Civil Engineering-Geotechnical BS / 1986 / Geological Engineering	e. Education: Degree(s)/Year/Specialization MS / 2011 / Civil Engineering-Geotechnical BS / 2009 / Civil Engineering
f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number Oklahoma / 2000 / PE / 19663 Kansas / 1992 / PE / 12618 Texas / 2013 / PE / 115453 Kentucky / 2015 / PE / 30968 Illinois / 2013 / PE / 062.065131 Wisconsin / 2015 / PE / E-44138 Missouri / 1996 / RG / 0593 Oklahoma Certificate of Authority (if any) 7292	f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number Oklahoma / 2014 / PE / #27716 Oklahoma Certificate of Authority (if any) 7292
g. Other experience and qualifications relevant to the proposed project: Mr. Wendland is the national Director of Geo-Engineering for Kleinfelder with experience in geotechnical engineering planning, analysis, and review for a wide variety of transportation projects throughout the United States. Mr. Wendland is skilled and experienced in supervision of field operations and project management and has conducted geotechnical forensic analyses of existing structures that have been impacted by expansive clay soils, compressible foundation bearing material, and poorly constructed foundations. Examples of Mr. Wendland's applicable transportation experience include: <ul style="list-style-type: none"> • 2015 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – Provided senior engineering reviews for 2 bridge projects throughout the state. • 2011 to 2013 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – Provided senior engineering reviews for numerous bridge, roadway, pedological, and embankment projects throughout the state. • Gateway Project, Johnson County, Kansas – Senior geotechnical engineer and geologist – senior level review of geotechnical and geological analysis, design, and construction observation for project with over 100 bridges, retaining walls, drainage structures, and overhead signs. • Lewis & Clark Expressway, Sugar Creek, Missouri – Geotechnical Engineer – conceptual and preliminary subsurface exploration program and geotechnical reports for 10 miles of new highway construction including five bridges; developed foundation and ground improvement recommendations for bridges and tall retaining walls in areas with contaminated soft alluvial soils. • US 59 over Spavinaw Creek, Delaware County, Oklahoma – Senior Geotechnical Engineer – Assist with conceptual planning, review subsurface exploration planning, review geotechnical analysis and retaining wall design for widening of bridge and causeway across Eucha Lake. • President George Bush Turnpike, Dallas, Texas – Senior Geotechnical Engineer – provided quality peer reviews for 57 retaining wall evaluations and engineering services. Reports for each wall documented all engineering and construction activities associated with that wall. 	g. Other experience and qualifications relevant to the proposed project: Mr. Wang serves as a project engineer for the Tulsa, Oklahoma office of Kleinfelder. His experience includes field exploration, performing in-situ testing, pavement distress survey, laboratory testing and engineering analysis. His engineering analysis experience includes potential vertical rise, bearing/uplift/lateral capacities, settlement, pavement thickness design, field data reduction and laboratory data reduction. He has provided geotechnical engineering for highways, bridges, retaining walls, embankments, culverts, and paving operations for both renovation and new transportation projects. Examples of Mr. Wang's applicable transportation experience include: <ul style="list-style-type: none"> • 2015 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – Project Engineer – 2 Bridge explorations • 2013 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – Project Engineer – 2 Bridge explorations. • State Highway 99 Over Caney River, Osage county, Oklahoma – Project Engineer – geotechnical engineering and laboratory testing, global stability analysis, settlement analysis provided for 0.5 mile roadway, and a bridge. • SH 34 Over Indian Creek, Woodward County, Oklahoma – Project Engineer – field activity coordination, bridge subsurface investigation and report preparation. • SH 19 Over Pecan Creek, Kiowa County, Oklahoma – Project Engineer – field activity coordination, bridge subsurface investigation and report preparation. • SH 105 Over Headquarter Creek, Lincoln County, Oklahoma – Project Engineer – field activity coordination, bridge subsurface investigation and report preparation. • US 69 at C-Tree Road, Pittsburg County, Oklahoma - Project Engineer – Field activity coordination, geotechnical engineer and laboratory testing – bridge, embankment, in-place, and MSE wall.

6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT.	
a. Name and Title: Ben Rojas-Pochyla	a. Name and Title:
b. Project Assignment: Staff Professional II	b. Project Assignment:
c. Name of firm with which associated: Kleinfelder	c. Name of firm with which associated:
d. Years experience: With this firm 3.0 years With other firms 3.5 years	d. Years experience: With this firm With other firms
e. Education: Degree(s)/Year/Specialization BS/2009/Geology	e. Education: Degree(s)/Year/Specialization
f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number Nuclear Density Gauge HAZMAT Certified Oklahoma Certificate of Authority (if any) 7292	f. Active Registration: State/Year first registered/Discipline/ Oklahoma License Number Oklahoma Certificate of Authority (if any)
g. Other experience and qualifications relevant to the proposed project: Mr. Rojas-Pochyla is a geologist with four years of combined mining and consulting experience. He is a Staff Professional in Kleinfelder's Tulsa Office. He has a strong working knowledge of geological field mapping and core logging, both geotechnical and economical, as well as drill rig supervision to include reverse circulation (RC) and Diamond Drilling Hole (DDH) rigs. Geotechnical soil classification, soil sampling and soil analysis techniques also comprise Mr. Rojas-Pochyla's diverse skill set. In addition to his geologic and geotechnical experience, Mr. Rojas-Pochyla's familiarity with construction materials includes concrete sampling, slumping and casting cylinders for compression testing and asphalt sampling. His responsibilities are geotechnical soil logging, geotechnical core logging, field mapping, structural mapping, soil/rock sampling, drill rig supervision, laboratory analysis to include sample preparation, performing the testing, data entry/reporting and report preparation.. <ul style="list-style-type: none"> • 2014 to 2015 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – Field Geologist – Numerous Bridge and Roadway projects across State of Oklahoma. • Elm Street & Creek Turnpike Intersection Improvement, Tulsa County, Oklahoma – Field Geologist– Field activity coordination, logging, sampling, geotechnical engineering and laboratory testing. • US Highway 270, Dewey County, Oklahoma – Field Geologist– Field activity coordination logging, sampling, geotechnical engineering and laboratory testing. • US 59 over Spavinaw Creek, Delaware County, Oklahoma – Field Geologist– Field activity coordination, logging, mapping, sampling, geotechnical engineering and laboratory testing. 	g. Other experience and qualifications relevant to the proposed project:

7. Work by firm or members which best illustrates current qualifications relevant to THIS PROJECT (list not 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. Cost (000's)	
					Entire Project	Firm's Portion
1. 2013-2017 ODOT On-call Geotechnical Services Contract - Bridge Division Geotechnical Statewide, Oklahoma	P	Subsurface Exploration, Field Logging, Laboratory Testing, Soil/Rock Classification, Engineering Analysis, Report Preparation	Oklahoma Department of Transportation 200 NE 21st Street Oklahoma City, Oklahoma 73105	On-Going	Unknown	\$600
2. 2015-2017 ODOT On-call Geotechnical Services Contract Roadway Division Statewide, Oklahoma	P	Subsurface Exploration, Field Logging, Laboratory Testing, Soil/Rock Classification, Engineering Analysis, Report Preparation	Oklahoma Department of Transportation 200 NE 21st Street Oklahoma City, Oklahoma 73105	On-Going	Unknown	\$250
3. 2006-2013 ODOT On-call Geotechnical Services Contract Roadway Division Statewide, Oklahoma	P	Subsurface Exploration, Field Logging, Laboratory Testing, Soil/Rock Classification, Engineering Analysis, Report Preparation	Oklahoma Department of Transportation 200 NE 21st Street Oklahoma City, Oklahoma 73105	2013	Unknown	\$849
4. US Highway 59 Over Spavinaw Creek Deleware County, Oklahoma	C	Subsurface Exploration, Field Logging, Laboratory Testing, Soil/Rock Classification, Engineering Analysis, Report Preparation	ODOTc/o Garver, LLC 6450 South Lewis Avenue, Suite 300 Tulsa, Oklahoma 74136	Ongoing	Unknown	\$284
5. US Highway 77 Over Cimarron River Logan County, Oklahoma	P	Subsurface Exploration, Field Logging, Laboratory Testing, Soil/Rock Classification, Engineering Analysis, Report Preparation .	Oklahoma Department of Transportation 200 NE 21st Street Oklahoma City, Oklahoma 73105	2015	Unknown	\$84
6. US Highway 64 over Snake Creek Tulsa County, Oklahoma	C	Subsurface Exploration, Field Logging, Laboratory Testing, Soil/Rock Classification, Engineering Analysis, Report Preparation	ODOT c/o Atkins North America, Inc. 350 David L. Boren Boulevard, Suite 1510 Norman, Oklahoma 73072	2015	Unknown	\$84
7. US Highway 69 at C Tree Road Pittsburg County, Oklahoma	C	Subsurface Exploration, Field Logging, Laboratory Testing, Soil Classification, Engineering Analysis, Report Preparation, Engineering Design	ODOT c/o Garver, LLC 6450 South Lewis Avenue, Suite 300 Tulsa, Oklahoma 74136	2014	Unknown	\$95
8. State Highway 18 over Dry Creek and Dry Creek Overflow Lincoln County, Oklahoma	C	Subsurface Exploration, Field Logging, Laboratory Testing, Soil/Rock Classification, Engineering Analysis, Report Preparation	ODOT c/o Atkins North America, Inc. 350 David L. Boren Boulevard, Suite 1510 Norman, Oklahoma 73072	2014	Unknown	\$80
9. US Highway 270 & State Highway 3 Dewey County, Oklahoma	C	Subsurface Exploration, Field Logging, Laboratory Testing, Soil Classification, Engineering Analysis, Report Preparation, Engineering Design	ODOT c/o Dewberry Engineers, Inc. 1350 South Boulder Avenue, Suite 600 Tulsa, Oklahoma 74119	2014	Unknown	\$56
10. Will Rogers Turnpike Pavement Rehabilitation Big Cabin to Afton, Oklahoma	C	Subsurface Exploration, Field Logging, Laboratory Testing, Soil Classification, Engineering Analysis, Report Preparation, Pavement Design, FWD Testing	Oklahoma Turnpike Authority c/o Craig & Keithline, Inc. 6940 South Utica Avenue Tulsa, Oklahoma 74136	2012	Unknown	\$120

8. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project.

Kleinfelder's Tulsa office will provide the geotechnical and geological services that will be required for this ODOT contract. Such capability allows Kleinfelder to staff the field portion of a project with reduced travel costs and with experienced, local personnel. Kleinfelder is one of the largest employee-owned geotechnical consulting firms in the nation, comprising nearly 2,000 personnel in over 70 offices and laboratories across the nation. Founded in 1961, Kleinfelder is headquartered in San Diego, California. For more than 50 years, Kleinfelder has provided geotechnical engineering and testing services for our transportation clients.

Laboratory Testing

Kleinfelder has the capability of performing most conventional geotechnical laboratory tests in-house. Our testing laboratory performs a wide variety of testing capabilities, ranging from index tests to sophisticated triaxial shear tests. Our laboratory technicians and laboratories are routinely inspected and certified by various agencies. The U.S. Army Corps of Engineers (COE), the American Association of State Highway and Transportation Officials (AASHTO), the Cement and Concrete Reference Laboratory (CCRL), and the Oklahoma Department of Transportation (ODOT) conduct periodic inspections of our testing equipment and testing techniques to verify acceptance of our testing laboratories for work performed for their respective agencies. The most significant outside quality assurance inspection of our firm's laboratories is by the National Bureau of Standards through the Commercial Testing Laboratory Accreditation Program. Kleinfelder also provides concrete and asphalt mix design tests and evaluations, including California and FHWA SuperPave methods. In addition to geotechnical and materials design tests, we provide a full range of construction materials testing, including asphalt, concrete, masonry, steel, welding, and timber tests.

Sampling and Field Tests

Kleinfelder has performed thousands of foundation explorations using a variety of investigative techniques. Exploration methods consist of conventional soil and rock drilling and sampling, cone penetration testing, in situ plate load testing, dilatometer, backhoe test pit excavations, downhole seismic, standard penetration, Texas Cone (THD) testing, geophysical testing, and pressuremeter testing. Results of these tests are used in preparing foundation and roadway designs through either direct modeling or correlated with specific strength parameters.

Drilling methods commonly employed by our staff include hollow stem auger, rotary wash, and rock coring. Sampling is performed using a number of methods depending upon site, soil, and rock conditions. We have experience in sampling very soft and loose materials such as saturated sand, soft clays, or peat. Standard penetration tests and undisturbed samples are routinely performed in conjunction with our drilling, logging, and sampling activities. Projects shown in Cap Section 8 included rock, soil, or material sampling utilized at least one of the drilling methods described above.

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 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. 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 foregoing is a statement of facts. My signature below indicates I have read the above excerpt from Title 61 of the Oklahoma Statutes.

Signature: _____



Typed Name and Title: Karthik Radhakrishnan, Area Manager

Date:

July 20, 2016

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



STATE OF OKLAHOMA

Consultant Services for a Specific Project

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

EC-1813: Preliminary Engineering, Preparation of Construction Plans (Pre-Qualification for County Engineering Services)

2a. Date of Announcement

July 15, 2016

2b. Agency Originating Announcement

ODOT

3. Firm (or Joint-Venture) Name & Address

LEE Engineering, LLC

1000 W. Wilshire Blvd., Ste. 403-E
Oklahoma City, OK 73116



3c. Name, Title & Telephone Number of Principal to Contact:

Jim C. Lee, P.E., PTOE, Ph.D. – CEO
(602)955-7206

3A. Certificate of Authority Number: 5860

3d. Address of office to perform work, if different from item 3.

Same as 3

3b. FEI/Tax ID Number:

FEI # [REDACTED]

4. Personnel by Discipline: (List each person only once, by primary function.) Enter proposed consultant personnel to be utilized on this project on line (A) and in-house personnel on line (B).

A	B		A	B		A	B		A	B	
2	4	Administrative	___	___	Electrical Engineers	___	___	Oceanographers	___	___	
___	___	Architects	___	___	Estimators	___	___	Planners Urban/Regional	___	___	Construction Managers
___	___	CAD Operators	___	___	Geologists	___	___	Sanitary Engineers	2	4	Project Managers
___	___	Chemical Engineers	___	___	Hydrologists	___	___	Soils Engineers	___	___	IT Specialists
1	1	Civil Engineers	___	___	Interior Designers	___	___	Specification Writers	4	8	Engineering Designer
___	___	Construction Inspectors	___	___	Landscape Architects	___	___	Structural Engineers	___	___	_____
2	2	Draftsmen	___	___	Mechanical Engineers	___	___	Surveyors	___	___	_____
___	___	Ecologists	___	___	Mining Engineers	5	10	Transportation Engineers	16	29	Total Personnel
___	___	Economists	___	___							

5. If submittal is by joint-venture list participating firms and outline specific areas of responsibility (including administrative, technical and financial) for each firm:
(Attach SF 254 for each if not on file with Procuring Office.) **Not Applicable**

5a. Has this Joint-Venture previously worked together? Yes No

6. Brief resume of key persons, specialists, and individual consultants anticipated for this project.

<p>a. Name & Title: Jim C. Lee, P.E., PTOE, PhD; CEO</p>	<p>a. Name & Title: Esther M. Shaw-Smith, P.E.</p>
<p>b. Project Assignment: Principal</p>	<p>b. Project Assignment: Project Manager</p>
<p>c. Name of Firm with which associated: LEE Engineering</p>	<p>c. Name of Firm with which associated: LEE Engineering</p>
<p>d. Years experience: With This Firm <u>27</u> With Other Firms <u>20</u></p>	<p>d. Years experience: With This Firm <u>4.5</u> With Other Firms <u>9</u></p>
<p>e. Education: Degree(s)/Year/ Specialization</p> <ul style="list-style-type: none"> • Ph.D., Civil Engineering, University of Oklahoma, 1979 • M. Eng., Civil Engineering, Pennsylvania State University, 1969 • B.S., Civil Engineering, University of New Mexico, 1967 	<p>e. Education: Degree(s)/Year/ Specialization</p> <ul style="list-style-type: none"> • B.S. – Civil Engineering, University of Oklahoma, 2003
<p>f. Active Registration: State/Year First Registered/Discipline/Oklahoma License Number</p> <ul style="list-style-type: none"> • State: Oklahoma • Year First Registered: 1972 • Discipline: Civil • Oklahoma License Number: 9120 	<p>f. Active Registration: Year First Registered/Discipline</p> <ul style="list-style-type: none"> • State: Oklahoma • Year First Registered: 2009 • Discipline: Civil • Oklahoma License Number: 23711
<p>g. Other Experience and Qualifications relevant to the proposed project:</p> <p>Dr. Lee, founder and CEO of LEE, has over 40 years experience in traffic engineering and transportation planning. His experience includes serving as a state and city traffic engineer as well as senior project manager for consulting firms. A brief description of his experience is outlined below:</p> <ul style="list-style-type: none"> • Mesa Before-After Evaluation of Traffic Adaptive System – Project Manager on a before-after study of the City of Mesa Sydney Coordinated Adaptive Traffic System (SCATS). Traffic data including volume, travel time, side-street delay were collected and compared under time-of-day (TOD) and SCATS. The study was done during high season (December) and low season (July) traffic conditions. Travel time was collected using both GPS-instrumented floating car and Bluetooth® re-identification techniques. • Lakewood, Colorado Signal System Feasibility Study and Design - Technical project manager on study and design to replace City's current system with state-of-the-art ITS-compatible system. Developed functional ATMS specifications and a procurement method which permitted creativity and innovation of the system provider rather than a traditional bid process. • Glendale, AZ Circulation Study – Project Principal for a circulation study to investigate traffic access and circulation alternatives. Alternatives were studied to determine their operational effectiveness and to identify problems which may impact the operations of other streets and access points in the downtown area. Additionally, on-street parking needs were identified within the context of each alternative without jeopardizing traffic operations and safety. 	<p>g. Other Experience and Qualifications relevant to the proposed project:</p> <p>Mrs. Shaw-Smith has more than ten years of experience involving a variety of public works projects including roadway & drainage design, traffic signal design, signal timing, and traffic operations management improvements. She has served as Project Manager on the following projects:</p> <ul style="list-style-type: none"> • SH-20 Intersection Improvements at Clubhouse Road and Trailwood Drive, Claremore, OK – Mrs. Shaw-Smith served as the Project Manager for the signal design component of this ODOT Local Government funded project. Design plans included the modification of the existing traffic signal at Clubhouse Road and the installation of a new traffic signal at Trailwood Drive. Signing, striping, and school zone flashers along with pedestrian crossings for nearby Westside Elementary were also included in design. • ODOT Statewide Fiber Optic Broadband Network, EC-1346C, Various Counties, OK – Mrs. Shaw-Smith served as Project Manager for a statewide initiative to provide reliable broadband service to community anchor institutions in various counties. Design included over 150 miles of fiber in western Oklahoma. This project also included construction administration for fiber conduit and cable installation. • Meridian Road, ODOT Local Government, Lone Grove, OK, Carter County – Mrs. Shaw-Smith served as the Project Manager for the reconstruction of Meridian Road in Lone Grove. Plans included signal modifications at the intersection at US-70, signing and striping plans through a school zone and construction sequencing plans.

6. Brief resume of key persons, specialists, and individual consultants anticipated for this project.

<p>a. Name & Title: John Denholm, P.E., PTOE</p>	<p>a. Name & Title: Justin R. Willis, P.E.</p>
<p>b. Project Assignment: Project Engineer</p>	<p>b. Project Assignment: Sr. Engineering Designer</p>
<p>c. Name of Firm with which associated: LEE Engineering</p>	<p>c. Name of Firm with which associated: LEE Engineering</p>
<p>d. Years experience: With This Firm <u>14</u> With Other Firms <u>0</u></p>	<p>d. Years experience: With This Firm <u>2</u> With Other Firms <u>7</u></p>
<p>e. Education: Degree(s)/Year/ Specialization</p> <ul style="list-style-type: none"> • M.E., Civil Engineering, Texas A & M University, 2001 • B.A., Mathematics, University of Saint Thomas, 1999 	<p>e. Education: Degree(s)/Year/ Specialization</p> <ul style="list-style-type: none"> • B.S., Civil Engineering, Oklahoma State University, 2010
<p>f. Active Registration: Year First Registered/Discipline</p> <ul style="list-style-type: none"> • State: Oklahoma, Texas • Year First Registered: 2014, 2006 • Discipline: Civil • License Number: OK 26988, TX 97330 	<p>f. Active Registration: Year First Registered/Discipline</p> <ul style="list-style-type: none"> • State: Oklahoma • Year First Registered: 2014 • Discipline: Civil • Oklahoma License Number: 27254
<p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Denholm is a Project Engineer with Lee Engineering and has over ten years of diverse traffic engineering and transportation planning experience. His project experience includes the development of signal timing plans, traffic signal design, roundabout analysis and design, speed zone studies, traffic operations studies, traffic impact studies and transportation planning. He has extensive knowledge of traffic engineering software including HCS, PASSER II, PASSER III, SIDRA, Synchro, SimTraffic, PC-Travel, PetraPro, and TruTraffic. Project Experience includes:</p> <ul style="list-style-type: none"> • Pedestrian Hybrid Beacon (HAWK) Signal Design, Temple, TX – Prepared PS&E for the first installation of a Pedestrian Hybrid Beacon (HAWK signal) in Temple TX. The pedestrian installation included APS and serves a crosswalk at Temple College. The HAWK signal was designed so that the equipment could be re-used when the intersection is converted to a full R-Y-G signal installation. • Multiple Traffic Signal Designs, Various Cities, TX – Prepared plans and specifications for multiple signals in various cities including: <ul style="list-style-type: none"> ○ Two (2) signals along Beltline Road in Carrollton, TX. Included temporary and permanent signals. ○ Six (6) signals, including one (1) diamond interchange, along Inwood Road in Dallas, TX. ○ Modification of the signal at the intersection of Josey Lane and Hebron Parkway in Carrollton, TX. ○ Temporary traffic signals to be installed at six (6) interchanges during the construction of the SH 121 main lanes in Denton County, TX. 	<p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Willis has over seven years of experience in transportation engineering. He worked for the ODOT Design Squad for three years during his undergraduate study at Oklahoma State University. He has led several transportation design teams in the last several years, all of which were for ODOT funded projects. A brief list of his project experience includes:</p> <ul style="list-style-type: none"> • US-75 & Box Avenue, Okmulgee, OK – Mr. Willis served as the Project Engineer for the traffic signal design portion of the roadway design plans for the installation of a new traffic signal at a presently two-way stop controlled intersection along US-75 in Okmulgee, OK. This signal was warranted based on new development being constructed at US-75 & Box Avenue. Mr. Willis developed traffic signal design plans which included pay item notes and quantities, wiring diagram, sequencing chart, phasing diagram, pavement marking and signing, as well as intersection traffic control plans. • I-35, Kay County, ODOT JP 27063(04) - Mr. Willis was the lead designer for the roadway portion of this project which involved the bridge replacement on I-35 over US-177 in Kay County. He worked in collaboration with the bridge team to ensure clearances were met at all times to allow the roadways to remain open during construction. Design plans included typical sections, plan and profile sheets, traffic control layouts and sequencing, signing and striping plans, and special detail sheets for temporary ramps and crossovers.

6. Brief resume of key persons, specialists, and individual consultants anticipated for this project.

<p>a. Name & Title: Erica E. Myers, P.E.</p>	<p>a. Name & Title: Noah Webster</p>
<p>b. Project Assignment: Project Engineer</p>	<p>b. Project Assignment: CAD Technician</p>
<p>c. Name of Firm with which associated: LEE Engineering</p>	<p>c. Name of Firm with which associated: LEE Engineering</p>
<p>d. Years experience: With This Firm <u>1</u> With Other Firms <u>10</u></p>	<p>d. Years experience: With This Firm <u><1</u> With Other Firms <u>0</u></p>
<p>e. Education: Degree(s)/Year/ Specialization <ul style="list-style-type: none"> B.S., Civil Engineering, California Polytechnic State University, San Luis Obispo, 2006 </p>	<p>e. Education: Degree(s)/Year/ Specialization <ul style="list-style-type: none"> CAD Course Completion, Canadian Valley Technology Center, Yukon, 2016 </p>
<p>g. Active Registration: Year First Registered/Discipline <ul style="list-style-type: none"> State: Oklahoma, California Year First Registered: 2013, 2009 Discipline: Civil, Traffic License Number: OK 26217, CA TE 2535 </p>	<p>g. Active Registration: Year First Registered/Discipline <ul style="list-style-type: none"> State: Year First Registered: Discipline: Oklahoma License Number: </p>
<p>g. Other Experience and Qualifications relevant to the proposed project: Mrs. Myers is a Project Engineer in Lee Engineering’s Oklahoma office. She has 10 years of experience in a variety of traffic engineering and transportation planning projects. Her traffic engineering project experience includes traffic impact analysis, traffic signal design, traffic impact fee programs, congestion management programs, and temporary traffic control plans. Mrs. Myers also has extensive project experience in environmental baseline analysis for airports, housing element updates, environmental impact reports, and public outreach related to transportation projects. <ul style="list-style-type: none"> Temporary Traffic Control Plans for SH 19 over Box Elder Creek in Caddo County – ODOT - Mrs. Myers served as the Traffic Engineer responsible for preparing the Temporary Traffic Control (TTC) Plans for the SH19 Bridge construction over Box Elder Creek in Caddo County. The design of temporary traffic control for the project was complicated by the fact that an existing railroad track, three-legged intersection, and several residential driveways are located within close proximity to the bridge and construction area. Coweta Toll Plaza Modernization Operational Analysis, OTA MU-MC-43, Coweta, OK – Mrs. Myers served as the Project Engineer for this project which included the operational analysis of three alternative configurations for the Coweta Toll Plaza along the Muskogee Turnpike at SH-51. Analysis was performed using HCS2010 and included basic freeway segments, merge/diverge area analysis, and weaving segment analysis. </p>	<p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Webster has completed over 1000 hours of Computer Aided Drafting (CAD) coursework at the Canadian Valley Technology Center. His duties at Lee Engineering currently include drafting, printing, field reconnaissance, and data collection. Mr. Webster has worked on the following projects as a CAD Technician: <ul style="list-style-type: none"> JKT and I-40 Interchange Modifications, OTA JKT-2343, Oklahoma City, OK – Mr. Webster has performed sheet setups for pavement marking and signing, lighting, and signal designs. OKC Zoo Parking Lot Improvements, Oklahoma City, OK – Mr. Webster performed drafting for the signal modification plans at the intersection of Remington Place and OKC Zoo Drive in Oklahoma City, OK. Plans included signal layout, sequencing chart, phasing diagram, and wiring diagram. Wall Price Keller Road Improvements, Keller, TX – Mr. Webster prepared sheet setups for pay items and notes, typical sections, cross sections, pavement marking and signing, traffic control, and erosion control for this City of Keller, TX project. Rural Road at Terrace Rd and Tyler Street Intersection Improvements, Tempe, AZ – Mr. Webster performed drafting on the intersection improvements design plans for this City of Tempe, AZ project. Drafting was performed for the typical sections, intersection geometric layout, pavement marking and signing, and plan and profile sheets. Mr. Webster also assisted in the preparation of technical specifications and special provisions for this project. </p>

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

a. Project Name & Location	"P", "C", "JV" or "I"	b. Nature of Firm's Responsibility	c. Project Owner's Name and Address	d. Completion Date	e. Est. Cost ((000's)	
					Entire Project	Firm's Portion
1) City of Oklahoma City On Call Citywide Traffic Engineering Services	C	LEE was selected as the Citywide On-Call Traffic Engineering consultant for the City of Oklahoma City. Anticipated services will include data collection, traffic signal design and review, traffic impact analysis and review, coordinated corridor signal timings, and ITS services.	City of Oklahoma City 420 W. Main, Suite 700 Oklahoma City, OK 73102	07/2014	Task Order Based	100%
2) SH-20 Traffic Signal Design and Improvements, Claremore, OK	C	LEE provided traffic engineering services for this ODOT Local Government funded project. Design plans included the modification of the existing traffic signal at Clubhouse Road and the installation of a new traffic signal at Trailwood Drive. Signing, striping, and school zone flashers along with pedestrian crossings for nearby Westside Elementary were also included in design. Signal timing plans including time of day plans for AM and PM peak periods were analyzed and implemented into the design using Synchro.	ODOT Division 8 4002 N. Mingo Valley Expressway Tulsa, OK 74116	11/2013	\$225	\$22
3) Oklahoma Department of Transportation (ODOT) Statewide Fiber Optic Network	C	LEE provided traffic engineering services for the installation of over 150 miles of fiber optic cable in various counties in Western Oklahoma. Community anchor institutions including universities, hospitals, and technology centers were connected to the fiber broadband network as part of this project.	ODOT 200 NE 21st Street Oklahoma City, OK 73105	03/2013	\$525	\$400
4) Creek Turnpike and Elm Street Interchange Improvements Study (CKT-MC-22)	C	LEE provided traffic engineering services as a subconsultant for this Oklahoma Turnpike Authority project in Jenks, OK. Lee performed capacity and operational analysis of the interchange intersections and provided weaving analysis for the interchange ramps for this interchange study.	Oklahoma Turnpike Authority 3550 N. Martin Luther King Ave. Oklahoma City, OK 73111	05/2014	\$750	\$44
5) Muskogee Turnpike & SH-51 Interchange Improvements (MU-MC-43)	C	LEE provided traffic engineering services as a subconsultant for this Oklahoma Turnpike Authority project in Coweta, OK. Lee performed capacity and operational analysis of the interchange alternatives which included basic freeway, merge/diverge, and weaving segment analysis.	Oklahoma Turnpike Authority 3550 N. Martin Luther King Ave. Oklahoma City, OK 73111	05/2016	\$650	\$55

6) Traffic Signal Timing along Lincoln Blvd Corridor, NE 4th Street to NE 50th Street	C	LEE prepared coordinated signal timing plans for this project along Lincoln Boulevard from NE 4 th Street to NE 50 th Street. Engineering services included preparing time of day plans, Synchro models, splits, offsets, and time-space diagrams. Field reconnaissance and fine tuning of the corridor was also performed.	City of Oklahoma City 420 W. Main, Suite 700 Oklahoma City, OK 73102	02/2014	\$16	\$16
7) EC-1801, US-281 Spur over Canadian River Data Collection and Accident Analysis	C	LEE was a subconsultant to CP&Y on this current ODOT contract. This project includes the reconfiguration and alterative analysis of US-281 Spur over the Canadian River in Hinton, OK. LEE performed data collection along each alternative route and compiled accident data within the project extents.	CP&Y 2000 N. Classen, Suite 1410 Oklahoma City, OK 73106	2/2016	\$200	\$7
8) JKT & I-40 Interchange Alternative Study on Southwest Loop (JKT-2343)	C	LEE provided traffic engineering services as a subconsultant for this Oklahoma Turnpike Authority project in Oklahoma City, OK. Lee performed capacity and operational analysis of the interchange alternatives which included basic freeway, merge/diverge, and weaving segment analysis.	Oklahoma Turnpike Authority 3550 N. Martin Luther King Ave. Oklahoma City, OK 73111	05/2016	\$550	\$70
9) MAPS3, Phase I, Projects 1,2,3, Sidewalk Plans and Signal Improvements	C	LEE provided traffic engineering services as a subconsultant for the design of pedestrian signal installations and enhancements for a several sidewalk projects throughout Oklahoma City, OK	City of Oklahoma City 420 W. Main, Suite 700 Oklahoma City, OK 73102	12/2013	\$200	\$30
10) US-75 and Box Avenue Traffic Signal Design, Okmulgee, OK	C	LEE provided traffic engineering services and traffic signal design plans for the installation of a traffic signal at the intersection of US-75 and Box Avenue. Services for this project included traffic data collection, future year and development traffic analysis, signal warrant analysis and design plans including pay items and notes, signal layout, phasing diagram, signal timings, wiring diagram, and construction traffic control. Coordination through ODOT Roadway Design and Division 8 was necessary in order to obtain final approval for design plans.	Love's Travel Stops and Country Stores Corporate Office 10601 N. Pennsylvania Avenue Oklahoma City, OK 73120	12/2015	\$24	\$24

8. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project.

Lee Engineering, LLC (LEE) is a civil engineering firm dedicated to providing traffic engineering and transportation planning services to federal, state and local agencies, private clients, and other design professionals. Founded in 1988, LEE has built a reputation on our ability to integrate our traffic engineering and transportation planning expertise with technical know-how to produce powerful, customized decision making tools. LEE's extensive traffic engineering project experience will enable us to render superior performance on this project.

Our applicable experience and valuable assets for this project includes:

- Experienced Project Team
- Local Oklahoma City office
- Project Team with extensive applicable project experience
 - Transportation Planning Studies
 - Stop Control Warrant Analysis
 - Area Transportation Planning
 - Feasibility Studies
 - Traffic Operations Research
 - Traffic Counts and Data Collection
 - Traffic Signal Warrant Analysis
 - Travel Time/Delay Studies
 - Capacity/LOS Analysis
 - Intersection Analysis
 - Sight Distance Studies
 - Accident Analysis
 - Speed Zone Studies



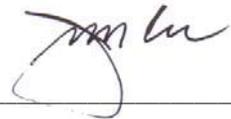
Beyond the services and capabilities of completing several traffic engineering projects, **Lee Engineering** provides other in-house engineering services that go above and beyond to accommodate our clients' needs. Such services include GPS inventory and GIS capabilities. These services are provided by personnel within the local office, therefore, providing the engineer with intimate knowledge of the data and collection procedures.

We firmly believe that you will see the difference in our work.

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 o, 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 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. Any contractor or builder of any public building or works, their agents, servants or employees, who shall offer any gratuity or political contribution of 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 foregoing is a statement of facts.

Signature: 

Typed Name and Title: Jim Lee, P.E., PTOE, PhD, CEO

Date:

July 29, 2016

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