



Agenda Commentary

Item Title/ Subject: Chapman Road Engineer

Staff Source: Steve Hewitt, City Manager

History/Background Information:

ODOT approached the City regarding 2 grants that have become available for Chapman Road. The City received TCSP and STP funding totals \$1,021,608.75. The City receives 80% with a 20% match that totals \$204,321.75 of City Funds. Inspection Grant \$61,296.53 80% with a 20% match of \$12,259.31.

Staff met with ODOT in February, informed us we must find an Engineer to design this construction project and it must be submitted by September to them for obligation of funds. There was a set of plans drawn up by Leonard & Goucher in 2002 that were 75% completed. ODOT suggested we have our dedicated Engineer redesign. The original set would be a good reference point, but new survey design would be needed. (see the suggested schedule)

Item/Subject Summary:

Staff solicited design services from firms (RFQ). I received 18 submittals. Reference the schedule, we must move at an accelerated pace. Staff was looking for ODOT experience and the ability to move quickly. Looking for a proven company the City could trust would design and fix this road issue that has been a problem for years. All 18 firms were on the approved ODOT list.

Price/Cost: Approximately \$75,000. (negotiated)

Recommendation:

I was surprised and happy with the response and I'm sure many, if not all, would be a great firm to work with. However, I was happy to see a firm that I have experience with. Professional Engineering Consultants have offices in both Oklahoma and Kansas. PEC worked with me on a \$6.5 Million Street rehab for the City of Greensburg. They have a proven record of success and understand budgets and grant requirements. As City Manager, I recommend PEC for this Chapman Road Design.

| CHAPMAN ROAD SUMMARY CHECKLIST & SCHEDULE | | | | | |
|--|---|-----------------------|--------------|---------------|-------------|
| ITEM | DESCRIPTION | RESPONSIBILITY | START | FINISH | DAYS |
| CONTRACTING | SOLICIT FOR DESIGN SERVICES TO UPDATE/REVISE 2002 PLANS | CITY OF CLINTON | 3/1/2011 | 4/1/2011 | 31 |
| DESIGN | SURVEY UPDATE | CONSULTANT | 4/1/2011 | 5/1/2011 | 30 |
| | PRELIMINARY DESIGN | | 5/1/2011 | 7/1/2011 | 61 |
| | FINAL DESIGN | | 7/1/2011 | 9/1/2011 | 62 |
| ENVIRONMENTAL | NEPA UPDATE | ODOT | 3/1/2011 | 6/1/2011 | 92 |
| RIGHT-OF-WAY | RW ENGINEERING | CITY OF CLINTON | 5/1/2011 | 6/1/2011 | 31 |
| | ACQUISITION | | 6/1/2011 | 8/1/2011 | 61 |
| | UTILITY RELOCATIONS | | 8/1/2011 | 9/15/2011 | 45 |
| PROJECT AGREEMENT | Project Maintenance & Financing Agreement | ODOT/CITY | 9/1/2011 | 9/15/2011 | 14 |
| Local Matching Funds | Deposit of Local Funds Prior to advertising | CITY OF CLINTON | 9/15/2011 | 12/15/2011 | 91 |
| LETTING/AWARD | CONTRACT BIDDING AND AWARD | ODOT | 9/15/2011 | 1/15/2012 | 122 |
| CONSTRUCTION | CONSTRUCTION ADMINISTRATION | ODOT DIV 5 | 3/15/2012 | 9/15/2012 | 184 |

CHAPMAN ROAD - FROM 28TH ST EXTENDING WEST 0.85 MI TO NEPTUNE ROAD

| PROJECT INFORMATION-CONSTRUCTION | | | | FUND TYPE | | | | | | |
|----------------------------------|----------------|----------------|----------------|--------------------|--------|--------------|--------|--------------|---------|--------------|
| FUNDING RANGE | | | | Balance to Finance | TCSP | | STP | | CITY | |
| Priority | From | To | Total | \$1,021,608.75 | Share | Amount | Share | Amount | Share | Amount |
| 1 | \$0.00 | \$471,608.75 | \$471,608.75 | \$550,000.00 | 80.00% | \$377,287.00 | 0.00% | \$0.00 | 20.00% | \$94,321.75 |
| 2 | \$471,608.75 | \$1,021,608.75 | \$550,000.00 | \$0.00 | | \$0.00 | 80.00% | \$440,000.00 | 20.00% | \$110,000.00 |
| 3 | \$1,021,608.75 | \$1,021,608.75 | | \$0.00 | | \$0.00 | | \$0.00 | 100.00% | \$0.00 |
| 4 | | | | \$0.00 | | | | | | |
| 5 | | | | \$0.00 | | | | | | |
| 6 | | | | \$0.00 | | | | | | |
| 7 | | | | \$0.00 | | | | | | |
| 8 | | | | \$0.00 | | | | | | |
| 9 | | | | \$0.00 | | | | | | |
| 10 | | | | \$0.00 | | | | | | |
| | | | \$1,021,608.75 | 100.00% | 36.93% | \$377,287.00 | 43.07% | \$440,000.00 | 20.00% | \$204,321.75 |

| PROJECT INFORMATION - ESTIMATED INSPECTION => | | | | 6.00% | FUND TYPE | | | | | |
|---|-------------|-------------|-------------|--------------------|-----------|--------|--------|-------------|--------|-------------|
| FUNDING RANGE | | | | Balance to Finance | TCSP | | STP | | CITY | |
| Priority | From | To | Total | \$61,296.53 | Share | Amount | Share | Amount | Share | Amount |
| 1 | \$0.00 | \$61,296.53 | \$61,296.53 | \$0.00 | 0.00% | \$0.00 | 80.00% | \$49,037.22 | 20.00% | \$12,259.31 |
| 2 | \$61,296.53 | \$61,296.53 | | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | | \$0.00 |
| 3 | \$61,296.53 | \$61,296.53 | | \$0.00 | 0.00% | \$0.00 | | \$0.00 | | \$0.00 |
| 4 | | | | \$0.00 | | | | | | |
| 5 | | | | \$0.00 | | | | | | |
| 6 | | | | \$0.00 | | | | | | |
| 7 | | | | \$0.00 | | | | | | |
| 8 | | | | \$0.00 | | | | | | |
| 9 | | | | \$0.00 | | | | | | |
| 10 | | | | \$0.00 | | | | | | |
| | | | \$61,296.53 | | | \$0.00 | | \$49,037.22 | | \$12,259.31 |



Clinton

Hub City of Western Oklahoma

ENGINEERING DESIGN SERVICES
FOR STREET IMPROVEMENTS

Chapman Avenue



FROM 28TH STREET EXTENDING
EAST TO NEPTUNE DRIVE

Project STP-120B(070)UR * JP No. 19669(04)

APRIL 2011



PROFESSIONAL ENGINEERING CONSULTANTS, P.A.



April 21, 2011

Mr. Steve Hewitt
City Manager
City of Clinton
415 Gary Boulevard
Clinton, OK 73601

RE: Request for Qualifications for Engineering Design Services for Street Improvements
for Chapman Avenue from 28th Street Extending East to Neptune Drive

Dear Mr. Hewitt:

Professional Engineering Consultants, P.A. (PEC) is pleased to submit this Statement of Qualifications for the Chapman Avenue project.

PEC has performed this type of work before and are very capable of handling all aspects of design of this type of facility including:

- Alignment and Profile Design
- Drainage and Storm Sewer Design
- Typical Sections
- Drainage Structures and Bridges
- Signing and Marking
- Detailed Traffic Control Plans
- Geotechnical Investigations
- Surveying
- R/W Plans and Legal Descriptions

The majority of this work will be done in our Tulsa office. The Principal-in-Charge will be Jim Moore, P.E., P.L.S., C.F.M., who has more than 18 years of experience in roadway design and seven years of field experience in surveying. Roadway design will be provided by Michael Winterscheidt, P.E. who is very skilled at computer design methods. If necessary, Structural/Bridge design will be provided by Geoff Bliss, P.E., S.E. Geotechnical services, including pavement design, will be provided by Kleinfelder Central, Inc.

We look forward to the opportunity to discuss this project further should you choose to conduct interviews for the final selection process. PEC has the capability and resources to provide design services on this project which has been demonstrated by our previous work with various cities and the Oklahoma Department of Transportation.

We understand this contract will be negotiated for approval as soon as possible. The R/W date is scheduled for July 1, 2011 which is a very aggressive schedule. In order to meet that schedule, it will be essential to determine immediately whether or not R/W can be acquired in a timely manner. The scope of the proposed improvements may have to be adjusted depending on R/W acquisition, project schedule, and project budget. We are prepared to work with the City to determine the best possible solution and will dedicate the staff necessary to provide the Plans according to your scope, budget and schedule.

We appreciate the opportunity to offer our Statement of Qualifications and look forward to working with the City of Clinton.

Sincerely,

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

James P. Moore, P.E., P.L.S., C.F.M.
Principal-in-Charge

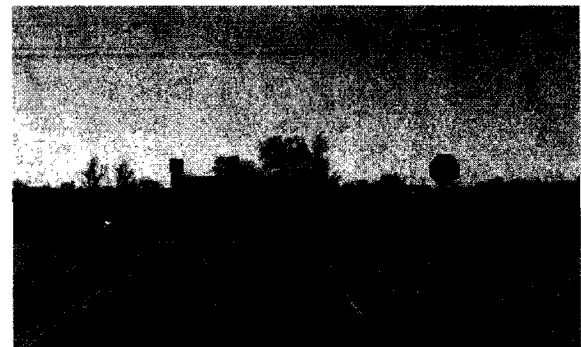
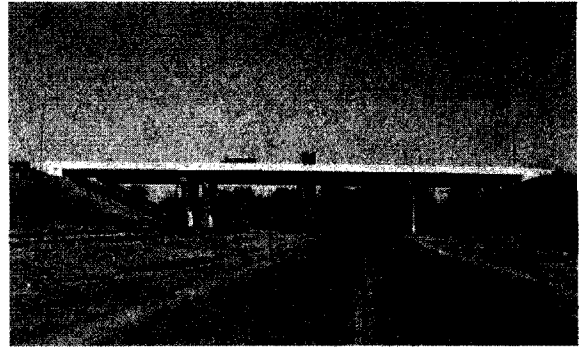
Project Understanding

The project as described in the Request for Qualifications is Chapman Avenue reconstruction from 28th Street to Neptune Drive. This is a critical street segment near the southern edge of the City of Clinton. I-40 runs east-west just south of the City and Chapman Avenue also runs east-west a few hundred feet south of I-40. There are interchanges on I-40 at Gary Boulevard and at Neptune Drive.

The interchange at Gary Boulevard is complicated by the overpass of the Farmrail Corporation railroad track. The E.Bd exit ramp crosses over I-40 and connects with Gary Boulevard north of the interstate. There is no E.Bd. entrance ramp to I-40 at Gary Boulevard. To get on I-40 and go east, vehicles are directed with signing to go south on Red Wheat Drive to Chapman Avenue and go east on Chapman Avenue to Neptune Drive and north on Neptune Drive to the I-40 interchange. The roadway surface is thus subjected to occasional heavy truck traffic and an inordinately high volume of traffic in general. In addition, development is occurring in the land between Chapman Avenue and I-40 which is causing an increase in the volume of traffic on Chapman Avenue.

The scope of the project is to improve this section of roadway by either reconstruction or rehabilitation of the pavement, including subgrade stabilization if necessary, improve vertical alignment of the roadway where necessary, and improve the roadside drainage. In consideration of the long term plan for development along this area, it is anticipated that the proposed improvement will include a continuous two-way left turn lane or widening for left turn lanes at key locations on the roadway. It will be critical to determine whether or not additional R/W can be acquired in a timely manner and how that would impact the design and the schedule. The length of the improvement is approximately 0.85 mile.

PEC staff visited this site and is familiar with the existing conditions. Through conversations with ODOT and City staff, we understand that funding for this project is made available through a combination of STP, TCSP, and City funds and will be administered by the Oklahoma Department of Transportation.



Project Understanding and Approach

Environmental clearance was conducted for this project through a preliminary design that was done in 2002. That NEPA document will be updated by ODOT. Engineering, R/W acquisition, and utility relocation for the project will be the responsibility of the City. Funds are obligated in the FFY in which they are requested and the latest date to authorize funds for this fiscal year is September 15. In order to meet that date the City must certify to ODOT that R/W has been acquired and the utility process is completed. The biggest challenge of the project will be to meet the project schedule which calls for Preliminary Plans to be submitted by June 15, R/W plans and documents to be submitted by July 1, and Final Plans to be submitted by August 31, 2011.

Project Approach

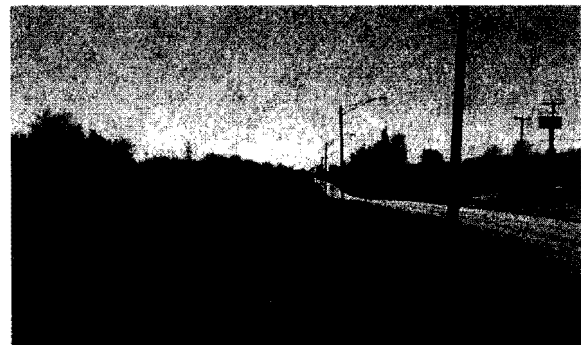
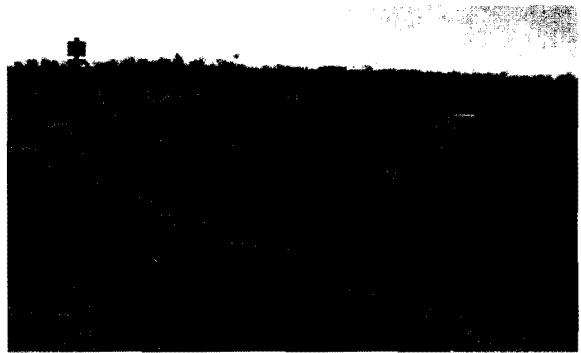
Our approach to the design of this improvement will be to obtain available information and to begin coordination with the various parties involved including:

- ▶ traffic data
- ▶ existing plans
- ▶ R/W and property data
- ▶ drainage data
- ▶ utility company records
- ▶ coordination with utility companies
- ▶ coordination with Farmrail Corporation Railroad

We will begin the field survey and geotechnical investigation immediately upon notice to proceed. We will conduct a comprehensive survey and prepare survey files meeting the current specifications of the ODOT Survey Division. From the data we will prepare comprehensive base plans to use for the design of the proposed improvements.

One of the early tasks involved will be to identify an appropriate detour route to be used while the road is under construction. This will be coordinated with ODOT and the City.

The design of the proposed improvements will be based on Oklahoma Department of Transportation Roadway and Bridge Design Manuals and the AASHTO Policy on Geometric Design of Highways and Streets, 2004 Edition.



Project Understanding and Approach

PEC is very familiar with these guidelines and ODOT Standards, and we use them routinely in the design of highway and bridge projects.

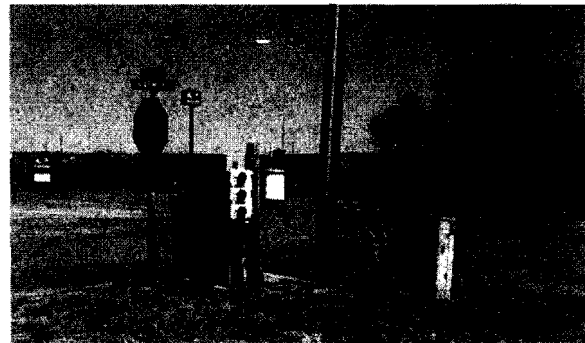
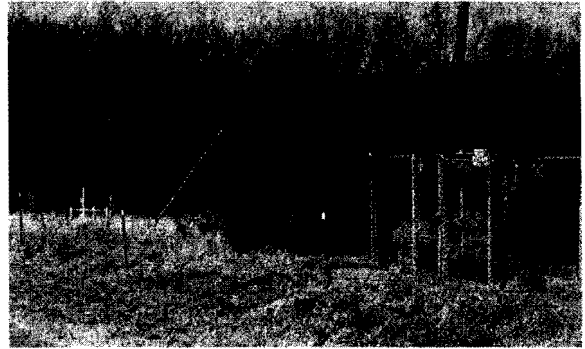
During the survey, we will pay special attention to the location of the existing utilities in the corridor. PEC staff will coordinate with the ODOT Utilities Branch and each utility company individually as needed to obtain accurate information concerning these lines. During design, we will coordinate with the various utility companies involved and determine where utility relocations may be required. We will work with the utility companies to make sure that their relocation work is coordinated with the proposed improvements.

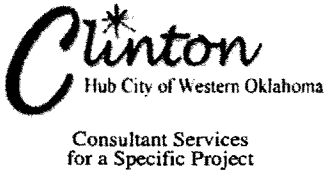
PEC will prepare Preliminary Plans meeting the current design standards. These Plans will have detailed design necessary to show the existing R/W and impacts to the existing utilities. PEC staff will also study the drainage of the area and determine appropriate culvert extensions or replacements and to design cross drain and side drain pipes and/or storm sewer and inlets.

Due to the compressed project schedule, we will coordinate with ODOT so that the Preliminary Plan Review Meeting and the R/W and Utility Review Meeting will be combined into a single meeting. We will communicate with the parties involved so the meeting can be expedited and scheduled as early as possible. After the Combined Preliminary Plan and R/W and Utility Review Meeting, we will prepare the R/W Plans and legal descriptions and submit to the City to begin the R/W acquisition process. Since the schedule allows very little time for R/W acquisition, the design will be prepared so that R/W acquisition is minimized.

After submittal of R/W Plans, we will complete the detailed design and prepare the Final Plans, Specifications, and Estimate for project letting. This work will be completed in accordance with the project schedule.

The anticipated services called for in the RFQ specify survey, geotechnical investigations, and design. PEC has teamed with Kleinfelder to provide the geotechnical services for the project and Native Plains Surveying to provide the survey. This work will be closely monitored and coordinated through the PEC project manager.



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------------------------------|---|----------------------|------------------|----------------------------|--|------------------|----------------------------|------------------------|--------------------------------|------------------------|------------------|--------------------------------|-----------------------|--------------------------|------------------|--------------------------|----------------------------------|-------------------------------|--------------------|-----------------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------------------|----------------|----------------------------|----------------------------|--------------------------------------|------------------|----------------------|-------------------------|--------------------------------|
|  <p>Clinton Hub City of Western Oklahoma Consultant Services for a Specific Project</p> | 1. Project Name/Location for which Firm is Filing: City of Clinton, OK Engineering Design Services for Street Improvements for Chapman Avenue – from 28th Street Extending East to Neptune Drive Project STP-120B(070)UR • JP No. 19669(04) | 2a. Date of Announcement | 2b. Agency Originating Announcement City of Clinton, OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. Firm (or Joint-Venture) Name & Address Professional Engineering Consultants, P.A. 303 South Topeka Wichita, KS 67202 | 3a. Name, Title & Telephone Number of Principal to Contact James P. Moore, P.E., P.L.S., C.F.M. Principal-in-Charge/Project Manager (918) 664-5400 jim.moore@pec1.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3a. Certificate of Authority Number <u>CA 1046 (PE/LS)</u> 3b. FEI/Tax ID Number <u>48-0699643</u> | 3b. Address of office to perform work, if different from Item 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. Personnel by Discipline: (List each person only once, by primary function.) <u>PEC project personnel and subconsultants only are indicated below.</u> <table style="width:100%; border: none;"> <tr> <td style="width:25%;">_____ Administrative</td> <td style="width:25%;">_____ Economists</td> <td style="width:25%;">_____ Mechanical Engineers</td> <td style="width:25%;">_____ 4 _____ Transportation Engineers</td> </tr> <tr> <td>_____ Architects</td> <td>_____ Electrical Engineers</td> <td>_____ Mining Engineers</td> <td>_____ 3 _____ Bridge Engineers</td> </tr> <tr> <td>_____ CADD Technicians</td> <td>_____ Estimators</td> <td>_____ Planners: Urban/Regional</td> <td>_____ Aerial Services</td> </tr> <tr> <td>_____ Chemical Engineers</td> <td>_____ Geologists</td> <td>_____ Sanitary Engineers</td> <td>_____ Survey Aids/Asst Surveyors</td> </tr> <tr> <td>_____ 1 _____ Civil Engineers</td> <td>_____ Hydrologists</td> <td>_____ Soils Engineers</td> <td>_____ Inspector</td> </tr> <tr> <td>_____ Construction Inspectors</td> <td>_____ Interior Designers</td> <td>_____ Specification Writers</td> <td>_____ Railroad Engineers</td> </tr> <tr> <td>_____ Drafters</td> <td>_____ Landscape Architects</td> <td>_____ Structural Engineers</td> <td>_____ 1 _____ Geotechnical Engineers</td> </tr> <tr> <td>_____ Ecologists</td> <td>_____ Land Surveyors</td> <td>_____ 4 _____ Surveyors</td> <td>_____ 13 _____ Total Personnel</td> </tr> </table> | | | | _____ Administrative | _____ Economists | _____ Mechanical Engineers | _____ 4 _____ Transportation Engineers | _____ Architects | _____ Electrical Engineers | _____ Mining Engineers | _____ 3 _____ Bridge Engineers | _____ CADD Technicians | _____ Estimators | _____ Planners: Urban/Regional | _____ Aerial Services | _____ Chemical Engineers | _____ Geologists | _____ Sanitary Engineers | _____ Survey Aids/Asst Surveyors | _____ 1 _____ Civil Engineers | _____ Hydrologists | _____ Soils Engineers | _____ Inspector | _____ Construction Inspectors | _____ Interior Designers | _____ Specification Writers | _____ Railroad Engineers | _____ Drafters | _____ Landscape Architects | _____ Structural Engineers | _____ 1 _____ Geotechnical Engineers | _____ Ecologists | _____ Land Surveyors | _____ 4 _____ Surveyors | _____ 13 _____ Total Personnel |
| _____ Administrative | _____ Economists | _____ Mechanical Engineers | _____ 4 _____ Transportation Engineers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| _____ Architects | _____ Electrical Engineers | _____ Mining Engineers | _____ 3 _____ Bridge Engineers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| _____ CADD Technicians | _____ Estimators | _____ Planners: Urban/Regional | _____ Aerial Services | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| _____ Chemical Engineers | _____ Geologists | _____ Sanitary Engineers | _____ Survey Aids/Asst Surveyors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| _____ 1 _____ Civil Engineers | _____ Hydrologists | _____ Soils Engineers | _____ Inspector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| _____ Construction Inspectors | _____ Interior Designers | _____ Specification Writers | _____ Railroad Engineers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| _____ Drafters | _____ Landscape Architects | _____ Structural Engineers | _____ 1 _____ Geotechnical Engineers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| _____ Ecologists | _____ Land Surveyors | _____ 4 _____ Surveyors | _____ 13 _____ Total Personnel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. If submittal is by 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 the Construction and Properties Division, Department of Central Services, 2401 N. Lincoln Blvd., Suite 106, Oklahoma City, OK 73105. Not Applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5a. Has this Joint-Venture previously worked together? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, how many? _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT. | |
|---|--|
| <p>a. Name & Title: James P. Moore, P.E., P.L.S., C.F.M. Principal</p> | <p>a. Name & Title: W. David Hubbard, P.E. Principal</p> |
| <p>b. Project Assignment: Principal-in-Charge/Project Manager/Roadway Design/Survey & ROW</p> | <p>b. Project Assignment: QA/QC/Roadway Design</p> |
| <p>c. Name of Firm with which associated: Professional Engineering Consultants, P.A.</p> | <p>c. Name of Firm with which associated: Professional Engineering Consultants, P.A.</p> |
| <p>d. Years experience: With Firm <u>31.3</u> With Other Firms <u>3</u></p> | <p>d. Years experience: With Firm <u>25.8</u> With Other Firms <u>0</u></p> |
| <p>e. Education: Degree(s)/Year/Specialization B.S., 1977, Civil Engineering B.S., 1977, Geology</p> | <p>e. Education: Degree(s)/Year/Specialization B.S., 1985, Civil Engineering</p> |
| <p>f. Active Registration: State/Year First Registered/Discipline/License# Oklahoma, 2003, Professional Engineer (Civil) #21185 Oklahoma, 1984, Professional Land Surveyor #1225 Oklahoma Certified Flood Plain Manager, OK-04-00015 Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)</p> | <p>f. Active Registration: State/Year First Registered/Discipline/License# Kansas, 1989, Professional Engineer (Civil) #11434 Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)</p> |
| <p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Moore is the Assistant Office Manager and Civil Engineer in the Tulsa office. His duties include quality control and design of street and storm sewer projects. Prior to his current assignment, Mr. Moore worked in the Transportation and Survey Divisions of PEC. His responsibilities included developing highway and street plans and specifications. His design experience includes right-of-way plans, legal descriptions, geometrics, storm sewer and drainage, erosion control, guard rail, traffic control and railroad industry tracks. Before joining PEC, Mr. Moore worked in the Engineering Department of the AT&SF Railway.</p> <p>RELEVANT PROJECT EXPERIENCE:</p> <ul style="list-style-type: none"> • I-244 / US-412 Rehabilitation from US-64 to US-75; Tulsa, OK • SH-72 Reconstruction under the UPRR; Wagoner County, OK • State Bridge Rehabilitation Projects Division 4; Seven Locations • SH-18 over Lost Man Creek; Osage County, OK • US-64 over Panther Creek; Pawnee County, OK • SH-82 over Mustang Creek; Craig County, OK • US-77 over Chilocco Creek; Kay County, OK | <p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Hubbard is a Project Manager in the Transportation Division of PEC's Wichita office. His responsibilities include project management, design, cost estimating, plan/specification development, and preparation of bid documents for multi-lane primary, secondary, and arterial highway and street improvements. His design experience includes all phases of project development, such as geometric layout and hydrologic analysis of project drainage with storm sewer system and cross-road drainage structure design. Other areas of design experience include pavement design, erosion control, signing, pavement marking, traffic control and guard fence layout.</p> <p>RELEVANT PROJECT EXPERIENCE:</p> <ul style="list-style-type: none"> • I-244 / US-412 Rehabilitation from US-64 to US-75; Tulsa, OK • Greenwich Road Improvements from Kellogg (US-54) to Central Avenue; Wichita, KS • US-54 and County Road 5 Improvements for Arkalon Energy Ethanol Plant; Seward County, KS • US-54 Traffic Impact Study; Garden City, KS |

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

a. Name & Title:
Richard A. Schlitt, P.E.
Secretary-Treasurer/Director

b. Project Assignment:
Structural Design

c. Name of Firm with which associated:
Professional Engineering Consultants, P.A.

d. Years experience: With Firm 25.9 **With Other Firms** _____

e. Education: Degree(s)/Year/Specialization
M.S., 1985, Structural Engineering
B.S., 1973, Civil Engineering

f. Active Registration: State/Year First Registered/Discipline/License#
Oklahoma, 2003, Professional Engineer (Structural) #21252
Kansas, 1978, Professional Engineer (Structural) #8024
Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)

g. Other Experience and Qualifications relevant to the proposed project:
Mr. Schlitt serves as Chief Bridge Engineer in the Transportation Division of PEC's Wichita office. He is responsible for bridge inspections, design solutions, supervision, and administration on bridge and transportation projects.

Prior to joining PEC, Mr. Schlitt served 11 years with the Kansas Department of Transportation, Bridge Design Section, as a Bridge Designer and Group Leader.

RELEVANT PROJECT EXPERIENCE:

- I-244 / US-412 Rehabilitation from US-64 to US-75; Tulsa, OK
- SH-71 over Emachaya Creek; Haskell County, OK
- SH-82 over Black Bird Creek; Cherokee County, OK
- US-177 Bridge over East Branch Dry Creek; Kay County, OK
- US-177 Bridges over Dry Creek and Unnamed Creek; Kay County, OK
- US-177 over Stink Creek; Kay County, OK
- SH-108 over Cimarron River; Payne County, OK
- US-81 over Cimarron River; Kingfisher County, OK

a. Name & Title:
Geoffrey K. Bliss, P.E., S.E.
Associate

b. Project Assignment:
Structural Design

c. Name of Firm with which associated:
Professional Engineering Consultants, P.A.

d. Years experience: With Firm 6 **With Other Firms** 0

e. Education: Degree(s)/Year/Specialization
B.S., 2004, Architectural Engineering

f. Active Registration: State/Year First Registered/Discipline/License#
Oklahoma, 2011, Professional Engineer (Structural) #24966
Kansas, 2009, Professional Engineer (Structural) #20326
Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)

g. Other Experience and Qualifications relevant to the proposed project:
Mr. Bliss is a Project Engineer in the Transportation Division in the Tulsa office. He is responsible for the design, analysis, and plan supervision of highway and residential bridge and drainage projects.

RELEVANT PROJECT EXPERIENCE:

- SH-18 over Lost Man Creek; Osage County, OK
- US-64 over Panther Creek; Pawnee County, OK
- SH-82 over Mustang Creek; Craig County, OK
- State Bridge Rehabilitation Task Order No. 5 Division 4

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

| | |
|---|--|
| <p>a. Name & Title: M. Seth Niebaum, P.E. Associate</p> | <p>a. Name & Title: Philip D. Frazier, P.E. Principal</p> |
| <p>b. Project Assignment: Structural Design</p> | <p>b. Project Assignment: Hydrology & Hydraulics</p> |
| <p>c. Name of Firm with which associated: Professional Engineering Consultants, P.A.</p> | <p>c. Name of Firm with which associated: Professional Engineering Consultants, P.A.</p> |
| <p>d. Years experience: With Firm <u>9.3</u> With Other Firms <u>0</u></p> | <p>d. Years experience: With Firm <u>25.3</u> With Other Firms <u>2</u></p> |
| <p>e. Education: Degree(s)/Year/Specialization B.S., 2001, Civil Engineering</p> | <p>e. Education: Degree(s)/Year/Specialization B.S., 1985, Civil Engineering</p> |
| <p>f. Active Registration: State/Year First Registered/Discipline/License# Oklahoma, 2008, Professional Engineer (Civil) #23601 Kansas, 2006, Professional Engineer (Structural) #18841 Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)</p> | <p>f. Active Registration: State/Year First Registered/Discipline/License# Oklahoma, 1995, Professional Engineer (Civil) #17840 Kansas, 1990, Professional Engineer (Civil) #11824 Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)</p> |
| <p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Niebaum is a Project Engineer in the Transportation Division of PEC's Wichita office. He is responsible for the design, analysis, and plan supervision of highway and residential bridge and drainage projects.</p> <p>RELEVANT PROJECT EXPERIENCE:</p> <ul style="list-style-type: none"> • I-244 / US-412 Rehabilitation from US-64 to US-75; Tulsa, OK • US-177 over Stink Creek; Kay County, OK • SH-108 over Cimarron River; Payne County, OK • US-77 over Chilocco Creek; Kay County, OK • SH-71 over Emachaya Creek; Haskell County, OK • SH-82 over Black Bird Creek; Cherokee County, OK • SH-72 Reconstruction from Oak Street to SH-51 Junction; Wagoner County, OK • US-62 over Choctaw Creek; Oklahoma County, OK • US-81 over Cimarron River; Kingfisher County, OK • Phase 3 Streets Rehabilitation; Sapulpa, OK | <p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Frazier is a Project Engineer in the Transportation Division of PEC's Wichita office. He is responsible for the design, analysis, and plan supervision of drainage and bridge projects. He has extensive experience in stormwater analysis, and drainage studies. He is proficient in the use of HEC-1, HEC-2 and HEC-RAS computer analysis packages for stormwater collection, detention systems and flood studies. His expertise in hydrology and hydraulics includes determining the type, size and location of bridges for any type of stream crossing. He also has experience in preparing CLOMR and LOMR reports for work in regulated floodplains.</p> <p>RELEVANT PROJECT EXPERIENCE:</p> <ul style="list-style-type: none"> • I-244 / US-412 Rehabilitation from US-64 to US-75; Tulsa, OK • SH-82 over Mustang Creek; Craig County, OK • SH-18 over Lost Man Creek; Osage County, OK • US-64 over Panther Creek; Pawnee County, OK • SH-71 over Emachaya Creek; Haskell County, OK • SH-82 over Black Bird Creek; Cherokee County, OK • US-177 Bridge Replacement over East Branch Dry Creek; Kay County, OK • On-Call Hydrology & Hydraulic Studies for ODOT; Various Locations in Oklahoma |

| 6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT. | |
|--|---|
| <p>a. Name & Title: Patrick L. Magnon, P.E. Associate</p> | <p>a. Name & Title: Michael J. Winterscheidt, P.E. Associate</p> |
| <p>b. Project Assignment: Hydrology & Hydraulics</p> | <p>b. Project Assignment: Roadway Design/Construction Traffic Control & Traffic Engineering</p> |
| <p>c. Name of Firm with which associated: Professional Engineering Consultants, P.A.</p> | <p>c. Name of Firm with which associated: Professional Engineering Consultants, P.A.</p> |
| <p>d. Years experience: With Firm <u>2.4</u> With Other Firms <u>6</u></p> | <p>d. Years experience: With Firm <u>6.3</u> With Other Firms <u>0</u></p> |
| <p>e. Education: Degree(s)/Year/Specialization B.S., 2002, Civil Engineering</p> | <p>e. Education: Degree(s)/Year/Specialization B.S., 2004, Civil Engineering</p> |
| <p>f. Active Registration: State/Year First Registered/Discipline/License# Oklahoma, 2007, Professional Engineer (Civil) #22825 Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)</p> | <p>f. Active Registration: State/Year First Registered/Discipline/License# Oklahoma, 2009, Professional Engineer (Civil) #24016 Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)</p> |
| <p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Magnon is a Project Engineer in the Tulsa office with expertise in general Civil Engineering design. His responsibilities include evaluating hydrology and hydraulics; design of roads, highways, waterlines and sewer lines; and evaluating floodplain issues. Software capabilities include HEC-RAS, HEC-HMS, Epanet 2.0, and InfoWorks 9.5 CS.</p> <p>RELEVANT PROJECT EXPERIENCE:</p> <ul style="list-style-type: none"> • Sinclair Refinery Drainage Improvements; Tulsa, OK • Jones/Douglas Creek Sanitary Sewer Evaluation Survey; Tulsa, OK • Waterline Evaluation; Coweta, OK • Haikey Creek Sanitary Sewer Evaluation Study; Broken Arrow, OK • Crow Creek Sanitary Sewer Evaluation Study; Tulsa, OK • SH-2 Waterline Relocation; Vinita, OK • SH-2 Sewer Line Relocation; Vinita, OK • U.S. 400/West Kellogg Drainage Improvements; Wichita, KS • US-75 and 116th Street Interchange Culvert Analysis; Tulsa County, OK | <p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Winterscheidt is a Project Engineer in the Transportation Division in the Tulsa office. He is responsible for the design and plan development of road projects. Mr. Winterscheidt has proficient skills in Microstation, Geopak, and Microsoft Excel.</p> <p>RELEVANT PROJECT EXPERIENCE:</p> <ul style="list-style-type: none"> • US-75 Interchange at 116th Street North; Tulsa County, OK • I-244 / US-412 Rehabilitation from US-64 to US-75; Tulsa, OK • State Bridge Rehabilitation Project Division 4; Seven Locations • US-177 over Dry Creek Drainage (3 Projects); Kay County, OK • SH-72 Reconstruction from Oak Street to SH-51 Junction; Coweta, OK • SH-82 over Mustang Creek; Craig County, OK • SH-18 over Lost Man Creek; Osage County, OK • US-64 over Panther Creek; Pawnee County, OK • US-64 over BNSF Railroad; Pawnee County, OK • Phases 3-6 Street Rehabilitation Projects; Sapulpa, OK • Goodykoontz Avenue Paving and Drainage Improvements; Sapulpa, OK • Main Street Improvements over Hager Creek including Bridge Replacement; Jenks, OK • Lewis Street Reconstruction; Tulsa, OK |

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

a. Name & Title:
Derick R. Millican, P.E., P.T.O.E.
Civil Engineer

b. Project Assignment:
Construction Traffic Control & Traffic Engineering

c. Name of Firm with which associated:
Professional Engineering Consultants, P.A.

d. Years experience: With Firm 4.5 With Other Firms 1.3

e. Education: Degree(s)/Year/Specialization
B.S., 2005, Civil Engineering

f. Active Registration: State/Year First Registered/Discipline/License#
Kansas, 2009, Professional Engineer (Civil) #20926
Professional Traffic Operations Engineer (PTOE), #2865
Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)

g. Other Experience and Qualifications relevant to the proposed project:
Mr. Millican is a Professional Engineer in the Transportation Division of PEC's Wichita office He is responsible for design and plan development for road projects, signing, pavement marking and analysis of intersection capacity for both signalized and unsignalized intersections, performing 24-hour automatic traffic counts, peak-hour turning movement counts, intersection design, cost estimating and guard rail layout.

RELEVANT PROJECT EXPERIENCE:

- I-244 / US-412 Rehabilitation from US-64 to US-75; Tulsa, OK
- Lincoln over 23rd Street North (SBR Project); Oklahoma County, OK
- US-75 Interchange at 116th Street North; Tulsa County, OK
- I-70 Pavement Rehabilitation Project; Thomas County, KS
- I-135 Reconstruction, 37th Street North to 85th Street North; Wichita and Sedgwick County, KS
- US-54 Pavement Widening at Arkalon Ethanol Plant Road; Liberal, KS
- US-50 Improvements including Concrete Pavement Joint Layout; Hutchinson, KS

a. Name & Title:
David J. Robinson, P.L.S.
Chief Surveyor

b. Project Assignment:
Survey & Right-of-Way

c. Name of Firm with which associated:
Professional Engineering Consultants, P.A.

d. Years experience: With Firm 6.7 With Other Firms 8

e. Education: Degree(s)/Year/Specialization
B.S., 1998, Construction Engineering

f. Active Registration: State/Year First Registered/Discipline/License#
Oklahoma, 2005, Professional Land Surveyor #1620
Kansas, 2004, Registered Land Surveyor #1400
Oklahoma Certificate of Authority Number: CA 1046 (PE/LS)

g. Other Experience and Qualifications relevant to the proposed project:
Mr. Robinson is the Chief Surveyor in PEC's Pittsburg office. He is responsible for supervising design, construction, and boundary surveys. His duties include site research; project coordination; utility verification, computations and calculations; preparation of plats and legal descriptions; correspondence with clients; collecting data for sanitary sewer, storm sewer, street, and waterline design; topography surveys, boundary surveys and construction staking.

RELEVANT PROJECT EXPERIENCE:

- SH-18 over Lost Man Creek; Osage County, OK
- US-64 over Panther Creek; Pawnee County, OK
- SH-82 over Mustang Creek; Craig County, OK
- Main Street Improvements over Hager Creek including Bridge Replacement; Jenks, OK
- Phase 1-5 Street Rehabilitation Projects; Sapulpa, OK
- Apache East Sanitary Sewer Interceptor; Tulsa, OK
- Highway 97 Water Tower; Sand Springs, OK

| 6. Brief resume of key persons, specialists, and individual consultants employed by sub-consultants anticipated for THIS PROJECT. | |
|--|---|
| <p>a. Name & Title: Michael D. Clifford, P.L.S. Senior Associate</p> | <p>a. Name & Title: James E. Harden, P.L.S. Vice President</p> |
| <p>b. Project Assignment: Survey & Right-of-Way</p> | <p>b. Project Assignment: Survey & Right-of-Way</p> |
| <p>c. Name of Firm with which associated: Professional Engineering Consultants, P.A.</p> | <p>c. Name of Firm with which associated: Native Plains Surveying & Mapping, LLC</p> |
| <p>d. Years experience: With Firm <u>31.3</u> With Other Firms <u>0</u></p> | <p>d. Years experience: With Firm <u>5.8</u> With Other Firms <u>34</u></p> |
| <p>e. Education: Degree(s)/Year/Specialization International Correspondence School, Surveying & Mapping, 1982</p> | <p>e. Education: Degree(s)/Year/Specialization</p> |
| <p>f. Active Registration: State/Year First Registered/Discipline/License# Kansas, 1982, Professional Land Surveyor #884 Oklahoma Certificate of Authority Number: 4656</p> | <p>f. Active Registration: State/Year First Registered/Discipline/License# Oklahoma, 1985, Professional Registered Land Surveyor #1233 Oklahoma Certificate of Authority Number: 4656</p> |
| <p>g. Other Experience and Qualifications relevant to the proposed project: Mr. Clifford serves as Survey and Inspection Manager in the Survey Division of PEC's Topeka office. He directs and supervises the fieldwork of the survey and inspection personnel. His responsibilities include management, planning and execution of field operations for property, design, construction surveys and inspections. He also provides intermediate calculations during the survey/construction phase, property boundary research and survey, latitude and longitude determinations, photogrammetric control, GPS (satellite) network planning and field management, celestial azimuth determinations and state plane networking.</p> <p>RELEVANT PROJECT EXPERIENCE:</p> <ul style="list-style-type: none"> • Topeka Boulevard and Huntoon Intersection; Topeka, KS • 6th Avenue, Gage to Oakley; Topeka, KS • 6th Avenue, Oakley to MacVicar; Topeka, KS • MacVicar, 6th Avenue to I-470; Topeka, KS • Kasold Drive Bridge over the Kansas Turnpike; Douglas County, KS • Kasold Drive, Peterson Road to Kansas Turnpike; Lawrence, KS | <p>g. Other Experience and Qualifications relevant to the proposed project: James Harden is the vice president and minority owner of Native Plains. He has been a registered professional land surveyor in the State of Oklahoma since 1985. He is a member of the Oklahoma Society of Land Surveyors, Oklahoma Flood Management Association, American Council of Engineering Companies, The Association of County Commissioners of Oklahoma and the National Association of Professional Mortgage Women. He has been in the surveying industry for more than years and has been surveyor in charge for numerous projects throughout the state, including U.S. 69B, Bryan Co., and various projects with AEP, Flintco, City of Tulsa, Tulsa International Airport for MAJ Environmental and the Cherokee Nation.</p> <p>RELEVANT PROJECT EXPERIENCE:</p> <ul style="list-style-type: none"> • US-69B; Durant, OK <p><i>(the following projects were with Harden & Associates)</i></p> <ul style="list-style-type: none"> • SH-50; Woods County, OK • SH-88; Inola, OK • Broken Arrow South Loop of the Creek Turnpike; Broken Arrow, OK • SH-9; Stigler, OK • SH-33; Creek County, OK |

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

a. Name & Title:

Endeson Juanda, P.E.
Engineering Department Manager

b. Project Assignment:

Geotechnical Engineering

c. Name of Firm with which associated:

Kleinfelder Central, Inc.

d. Years experience: With Firm 4.9 With Other Firms 6

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

B.S., 2000, Civil Engineering

f. Active Registration: State/Year First Registered/Discipline/License#

Oklahoma, 2005, Professional Engineer #21898
Arkansas, 2005, Professional Engineer #12316
Oklahoma Certificate of Authority Number: 3036


g. Other Experience and Qualifications relevant to the proposed project:

Mr. Juanda is the Engineering Department Manager. He manages geotechnical projects, geotechnical design services, report preparation, review of geotechnical engineering reports, and consultation for construction services. He is an experienced program manager of on-call contracts, which requires managing multiple tasks at various locations concurrently. He has been responsible for the geotechnical engineering analysis for numerous projects.

RELEVANT PROJECT EXPERIENCE:

- 2008 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – 4 Bridge explorations, 2 pedological surveys, 1 embankment cut survey, and 1 rock slope study
- 2007 ODOT On-Call Geotechnical Services Contract, Statewide, Oklahoma – 3 Bridge explorations, 4 pedological surveys, and 2 shoulder surveys
- ODOT – Load Posted Bridge Program, Statewide, Oklahoma – 22 bridges, 10 pedological surveys, 7 shoulder surveys, and 2 embankment surveys
- US 60 Realignment JB2-2310(004) Osage County, Oklahoma – geotechnical engineering and laboratory services consisting of 5 miles of new roadway and a new 3-span bridge

7. Work by firms or members which best illustrates current qualifications relevant to THIS PROJECT (list not more than 10 projects).

|  Professional Engineering Consultants, P.A. | | P C I J V | Nature of Firm's b. Responsibility | c. Project Owner's Name & Address | Completion Date (actual or d. estimated) | e. Estimated Cost (In Thousands) | |
|--|--|-----------------------|---|--|---|----------------------------------|-------------------|
| | | | | | | a. Project Name & Location | Entire Project |
| Oklahoma Department of Transportation SH-72 Reconstruction from Oak Street to SH-51 Junction Wagoner County, OK | | P | Prime Civil, Transportation, Structural/Bridge Engineer for road design, utility coordination, stormwater sewer, railroad design, construction sequence traffic control, signing & marking. | Oklahoma Department of Transportation Division 1 2800 S. 32nd Street Muskogee, OK 74401 Darren Saliba, P.E. (918) 687-5407 | 2007 | 7,973 | 7,973 |
| Oklahoma Department of Transportation US-64 over the BNSF RR Pawnee County, OK | | P | Prime Civil Engineer for design of 2-lane roadway on new alignment including new 3-span prestressed concrete beam bridge on 17 degree skew, alignment and profile design, shoofly detours, traffic control plans, signing & marking plans. | Oklahoma Department of Transportation 200 N.E. 21st Street Oklahoma City, OK 73105 Mohamed Elyazgi, PE (405) 521-6489 | 2011 | 5,000 | 5,000 |
| Oklahoma Department of Transportation US-75 Interchange at 116th Street North Tulsa County, OK | | P | Prime Civil Engineer for new grade separated interchange including surveying, concept study, alignment & profile design, ramp design, drainage, two span prestressed concrete span bridge over US-75, traffic control plans, signing & marking. | Oklahoma Department of Transportation Division 8 4002 N. Mingo Valley Expressway Tulsa, OK 74116 Randle White, PE (918) 838-9933 | 2012 | 8,000 | 8,000 |
| Oklahoma Department of Transportation I-244/US-412 Rehabilitation from US-64 to US-75 (Federal Stimulus Package Project) Tulsa, OK | | P | Prime Civil Engineer for rehabilitation of 28 bridges & approximately 1.75 miles of multi-lane pavement including complex lane geometry, ramp tapers & numerous overpasses. | Oklahoma Department of Transportation 200 N.E. 21st Street Oklahoma City, OK 73105 Greg Allen, P.E. (405) 521-2606 | 2009 | 75,760 | 38,000 |
| Oklahoma Department of Transportation SH-82 over Mustang Creek Craig County, OK | | P | Prime Civil Engineer for bridge replacement & approaches including survey, H&H, alignments & profile design, bridge design, shoofly design, utility coordination, construction sequence, ROW plans, detailed traffic control plans, signing & marking. | Oklahoma Department of Transportation 200 N.E. 21st Street Oklahoma City, OK 73105 Kirk Goins, P.E. (405) 521-2695 | 2010 | 1,300 | 1,300 |
| Oklahoma Department of Transportation SH-18 over Lost Man Creek Osage County, OK | | P | Prime Civil Engineer for bridge replacement & approaches including survey, H&H, alignments & profile design, bridge design, shoofly design, utility coordination, construction sequence, ROW plans, detailed traffic control plans, signing & marking. | Oklahoma Department of Transportation 200 N.E. 21st Street Oklahoma City, OK 73105 Leslie Lewis, P.E. (405) 521-6500 | 2010 | 900 | 900 |
| City of Tulsa Lewis Street Reconstruction Tulsa, OK | | P | Prime Civil Engineer for arterial street reconstruction & overlay, drainage improvements, utility coordination, waterline construction, sidewalk improvements & traffic control. | Tulsa Metropolitan Utility Authority 2317 S. Jackson Tulsa, OK 74107 Matt Liechti, P.E. (918) 596-9636 | 2009 | 2,000 | 2,000 |
| City of Sapulpa Phase 1-7 Street Rehabilitation Sapulpa, KS | | P | Prime Civil Engineer for annual reconstruction & rehabilitation projects for various residential streets throughout the City. Pavement rehabilitation strategies ranged from mill & overlay to total reconstruction. | City of Sapulpa 425 East Dewey Sapulpa, OK 74067 Tom DeArman (918) 224-3040 | 2011 | 4,200 | 4,200 |
| Sedgwick County Meridian, 71st Street S. to 47th Street S. Sedgwick County, KS | | P | Prime Civil Engineer for 3.5 mile upgrade of a 2-lane rural section to a 4-lane urban section with pavement marking, permanent signing & extensive drainage improvements including RCB's & channel construction. | Sedgwick County 1144 South Seneca Wichita, KS 67213 David Spears, P.E., (316) 383-7901 | 2008 | 7,600 | 7,600 |
| Greenwich Road from 13th Street North to 26th Street North including Bridge Wichita, KS | | P | Prime Civil Engineer for 6-lane roadway with curb & gutter & raised median. Design included 5-cell 9'x6'121' RFB, drainage, 8" waterline, storm sewer, traffic signal, traffic control, surveying, right-of-way, signing & marking. | City of Wichita 455 North Main Wichita, KS 67202 Jim Armour, P.E. (316) 268-4266 | 2006 | 5,300 | 5,300 |

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.

OTHER PERTINENT INFORMATION

PROFESSIONAL ABILITIES

Professional Engineering Consultants, P.A. (PEC) has experienced transportation engineering design professionals available to work for the City of Clinton.

PEC has 46 years experience with 250 employees providing engineering consulting services for a wide range of transportation projects. Our project team is comprised of qualified personnel who have the technical skills to design quality, reliable road and bridge plans.

| Staff Member | Years of Experience |
|--------------------------------------|----------------------------|
| James Moore, P.E., P.L.S., C.F.M. | 34 |
| W. David Hubbard, P.E. | 25 |
| Richard Schlitt, P.E. | 36 |
| Geoffrey Bliss, P.E., S.E. | 6 |
| Seth Niebaum, P.E. | 9 |
| Philip Frazier, P.E. | 27 |
| Patrick Magnon, P.E. | 8 |
| Michael Winterscheidt, P.E. | 6 |
| Derick Millican, P.E., P.T.O.E. | 5 |
| David Robinson, P.L.S. | 14 |
| Michael Clifford, P.L.S. | 31 |
| James Harden, P.L.S. (Native Plains) | 39 |
| Endeson Juanda, P.E. (Kleinfelder) | <u>10</u> |
| Combined Team Experience | 250 years |

CURRENT WORKLOAD

PEC's Tulsa office staff will provide roadway design and project management. Our roadway design staff in Tulsa has extensive recent ODOT project experience. Prior to that, our Project Manager and Lead Road Designer, Jim Moore, worked 15 years in the Transportation Division of PEC doing projects for the Kansas Department of Transportation and local governments. With

his experience in roadway design and his background in land surveying, he has the ability to see road design in a very detailed and practical manner.

We have the ability to handle complex design issues and will look into the details that make a difference in the design, construction, and the final product. Our experience with ODOT projects, including Economic Stimulus projects, has demonstrated that PEC staff know how to work with the Department and to meet critical deadlines. Additional resources from the firm are available if needed for specialized expertise and to meet the demands of the project schedule.

We have several projects in our Transportation Division that are in various stages of production. We recognize this project will demand immediate attention in order to meet the proposed project schedule. We are prepared to manage our workload and dedicate the design team to work the hours required to get the project completed according to a mutually agreeable schedule.

If it is determined that R/W acquisition cannot be accomplished according to the proposed schedule, we will work with the City to revise the scope so that either the project is scaled back to a rehabilitation project within existing R/W or the schedule is adjusted as needed.

If the City desires construction administration/inspection PEC can provide these services also.

PRODUCTION CAPABILITIES

PEC professionals are experienced in numerous design software packages and full integration with CADD in all levels and divisions of the company. Our bridge designers are experienced in AASHTO VIRTIS/OPIS, MDX, BRASS bridge design and rating software,

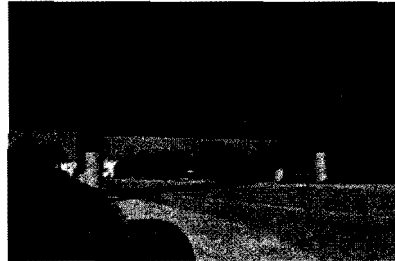
8. Use this space to provide any additional information or description of resources (including any computer design capabilities) supporting your firm's qualifications for the proposed project.

SIMON steel design software, and in-house specialized design programs. Our staff of IT professionals keep the system functioning with daily monitoring and backups. For concept reviews and presentations, we produce high quality graphics and plots.

RELEVANT PROJECT EXPERIENCE

PEC has an established relationship with multiple state and municipal clients that comes from providing quality, professional service for more than four decades. PEC has provided all types of services including hydraulics/hydrology analysis, preliminary studies to final design, surveying, and inspection. The PEC Team has designed numerous transportation projects including interstates, rural freeways, rural expressways, urban freeways, arterials streets and bridges. The following is a representative list of of PEC's transportation experience:

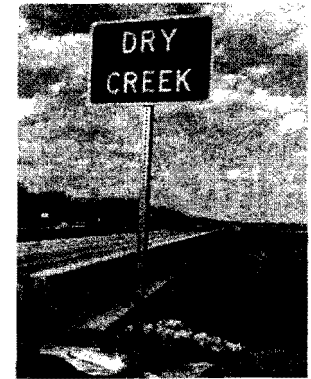
- SH-72 at the UPRR – Road realignment and new railroad overpass; Wagoner County, OK
- EC-1242F – SBR Bridge Rehabilitation Projects; Various Counties, Field Division 4, Perry, OK



SH-72 at the UPRR

- I-244/US-412 from US-64 to US-75 – Highway rehabilitation; Tulsa, OK
- US-177 at East Branch Dry Creek – Road reconstruction and bridge replacement; Kay County, OK
- SH-11 at Dog Thresher Creek – H&H for bridge replacement; Osage County, OK

- US-177 at Dry Creek – Road realignment and bridge replacement; Kay County, OK
- SH-11 at Mud Creek – H&H for bridge replacement; Osage County, OK
- SH-11 at Little Dog Thresher Creek – H&H for bridge replacement; Osage County, OK
- SH-8 Major C/L North 4 Miles – H&H for 3 separate bridge replacements; Alfalfa County, OK



US-177 over Dry Creek

- SH-8 at Driftwood Creek – H&H for bridge replacement; Alfalfa County, OK
- SH-15 at Turkey Creek – H&H for bridge replacement; Woodward County, OK
- US-64 at Unnamed Creek – H&H for bridge replacement; Pawnee County, OK

- US-177 at Unnamed Creek – Bridge replacement and approaches; Kay County, OK
- US-64 at Panther Creek – Bridge replacement and approaches; Pawnee County, OK

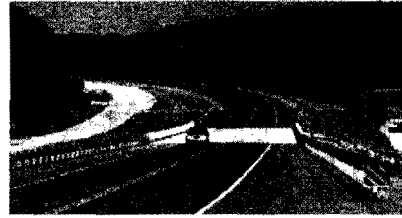


US-177 at Unnamed Creek

- SH-18 at Lost Man Creek – Bridge replacement and approaches; Osage County, OK

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.

- SH-82 at Black Bird Creek – Road realignment and bridge replacement; Cherokee County, OK



SH-82 over Black Bird Creek

- US-64 at BNSF RR – Bridge replacement and road realignment; Pawnee County, OK

- SH-71 at Emachaya Creek – Bridge replacement; Haskell County, OK

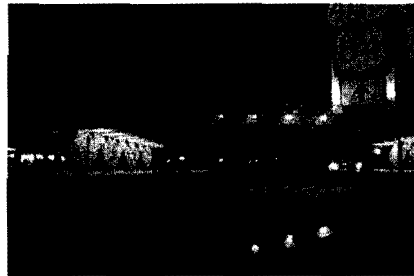
- SH-82 at Mustang Creek – Bridge replacement and approaches; Craig County, OK

- US-75 at 116th Street North – New grade separated interchange; Tulsa County, OK

- SH-99 at Birch Creek and Abandoned RR – Bridge replacement and road realignment; Osage County, OK

- SH-99 at Rock Creek – Bridge replacement and approaches; Osage County, OK

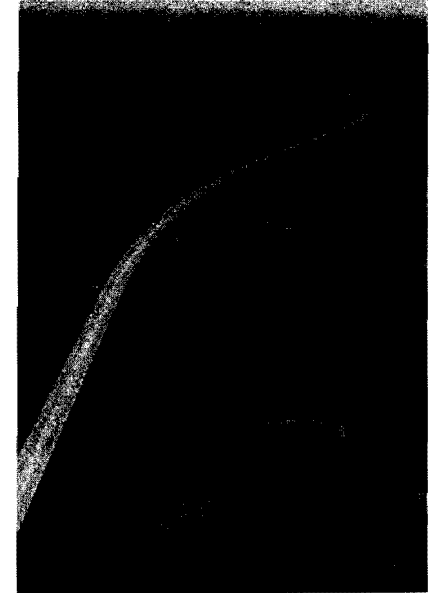
- US-400, Ridge to Maize Road – 2 miles of urban freeway including 7 bridges (Full Urban Interchange); Wichita, KS



U.S. 400 and Maize Road

- SH-18 at Salt Creek – Bridge replacement and road realignment; Osage County, OK

- K-15 from Mulvane to Derby – Reconstruction of 2-lane roadway to 4-lane undivided highway with one interchange and partial access control, including 1.6 mile section through the City of Mulvane. Total Project is 5.4 miles with 10 bridges in Sumner and Sedgwick Counties, KS



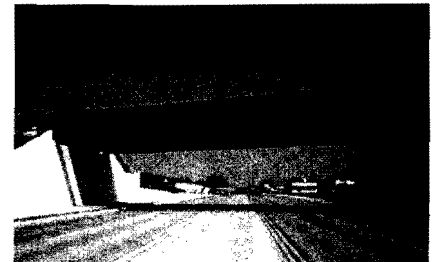
K-15 from Mulvane to Derby

- I-135 from Newton to McPherson County Line – Interstate rehabilitation 7.4 miles and 10 bridges; Harvey County, KS

- K-254 from Wichita to El Dorado – 19.4 miles of reconstruction of 2-lane roadway to 4-lane divided, 14 bridges; Sedgwick and Butler Counties, KS

- US-169 from Paola to Spring Hill – Reconstruction of 2-lane roadway to 4-lane divided with 3 interchanges and full access control, 11.3 miles, 19 bridges; Miami County, KS

- Grand Avenue/UPRR Grade Separation, New Railroad Bridge – More than 5,500 feet of mainline track reconstruction; Sedgwick County, KS



Grand Avenue/UPRR Grade Separation

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.

- K-96 from Wichita to Hutchinson – 20.4 miles of reconstruction of 2-lane roadway to 4-lane divided, 27 bridges; Sedgwick and Reno Counties, KS
- US-400 Kellogg/Dugan Interchange (Full Urban Interchange); Wichita, KS
- I-135 from 17th Street to 37th Street North – 2.7 miles of interstate, 2 interchanges and 11 bridges; Wichita, KS
- US-160 from US-69 to the State Line – 4.8 miles reconstruction and widening, 3 bridges; Crawford County, KS
- US-69 – 3.7 miles roadway reconstruction, 2 bridges; Fort Scott, Bourbon County, KS
- K-2 from Hoover to Tyler – 2.3 miles roadway widening, 1 bridge; Sedgwick County, KS

SUMMARY

We appreciate the opportunity to respond to The City of Clinton's Solicitation of Interest for this project. PEC staff are committed to providing excellent service and reliable documents designed to produce the best possible outcome for your project. We are familiar with ODOT policies and procedures and have good working relationships with the design divisions with the ODOT. We have the resources, personnel, experience, and expertise to perform engineering services for this project and we are committed to meeting the expectations of the City.

We look forward to discussing this project with you as your selection process continues. Thank you for the opportunity to submit this letter of interest and our qualifications.

10. 61 O.S. 64. Offenses

Any consultant or person doing 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 engineering work for the State of Oklahoma, or who attempts to interfere with the competitive bid 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.

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

Signature: James P. Moore Typed Name and Title: James P. Moore, P.E. - Principal-in-Charge

Date:
April 21, 2011

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