

**FRANKLIN COUNTY  
COMMISSION AGENDA ITEM**

<b>TO:</b> BOARD OF FRANKLIN COUNTY COMMISSIONERS	<b>Reviewed:</b> <i>3/20/08</i>
<b>FROM:</b> JAMES M. HAAG, JR.	<b>Ext. 3552</b>
<b>DEPARTMENT:</b> PUBLIC WORKS	
<b>DATE:</b> 10/22/08	<b>No.</b>

**ITEM:** Consider authorizing the Chair to execute Proposal No. 14089257 with Terracon Consultants, Inc. in the estimated amount of \$23,320.00 for the 2006 CHIP Project testing.

Background: The 2006 CHIP Project has earthwork and asphalt items of work which require testing for quality control. Terracon Consultants, Inc. is familiar with the project and is the appropriate firm to conduct the test. The estimated cost is \$23,320.00.

Recommended Action: Motion authorizing the Chair to execute Proposal No. 14089257 with Terracon Consultants, Inc. in the estimated amount of \$23,320.00 for the 2006 CHIP Project testing.

Attachments: Proposed Contract

October 6, 2008

# Terracon

Consulting Engineers & Scientists

Franklin County, Kansas  
1428 South Main  
Suite 4  
Ottawa, Kansas 66067

Terracon Consultants, Inc.  
3113 Southwest Van Buren Street  
Topeka, Kansas 66611  
Phone 785.267.3310  
Fax 785.267.3382  
www.terracon.com

Attention: Mr. James M. Haag, Jr.

Re: Proposal for Construction Testing Services  
Street Improvement Project  
Ottawa, Kansas  
Proposal No. 14089257

Dear Mr. Haag:

We are pleased to submit our proposal to provide construction testing and observation services for the above referenced project.

This proposal includes:

Our Agreement for Services  
Exhibit A – PROJECT INFORMATION  
Exhibit B – SCOPE OF SERVICES  
Exhibit C – COMPENSATION

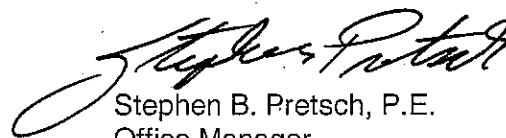
To execute a copy of this proposal, please sign and return one copy of the *Agreement for Services*. Please contact us if you have any questions or comments concerning the proposed services or if we may be of further service to you.

Sincerely,

**Terracon**



Scott A. Randle, P.E.  
Project Engineer



Stephen B. Pretsch, P.E.  
Office Manager

Enclosures  
Copies to:

Addressee (2)

**Terracon**  
EXHIBIT A

**PROJECT INFORMATION**  
**Proposal No. 14089257**

The project includes road improvements of approximately 10 miles of existing county roads in Franklin County, Kansas. The improvement will occur along Montana Road between Shawnee Road and Reno Road and along Shawnee Road between Montana Road and Ohio Road. The roads to be improved are currently gravel covered. The road improvements will involve modifications to the exiting pavement subgrade, the placement of approximately 2 inches of crushed rock base and an eight inch thick asphaltic concrete pavement.

**Terracon**  
**EXHIBIT B**  
**SCOPE OF SERVICES**  
**Proposal No. 14089257**

Terracon's construction observation and testing services for this project will be provided on an as-requested basis.

We understand our scope of services will include:

- Engineered fill placement observation and nuclear field density tests to measure moisture content and dry density
- Asphalt material sampling and laboratory testing

### **Reporting**

Results of all field tests are typically submitted verbally to available personnel at the site. Written summaries of field tests and observations are usually submitted at intervals of approximately two weeks and will include results of laboratory tests.

### **Scheduling**

The number of tests and trips detailed in our estimate does not constitute a minimum or maximum number of tests or trips that may be required for this project. Terracon's services will be performed on an as-requested basis with scheduling by the Contractor or owner's representative. Terracon will not be responsible for scheduling our services and will not be responsible for tests or observations that are not performed due to failure to schedule our services on the project. Since our personnel will not be at the site on a resident basis, it will be imperative that we be advised when work is in progress. Services should be scheduled a minimum of 24 hours in advance. Scheduling personnel will be on an as available basis, which may require changes in personnel assigned to the project. All requests for services should be submitted to this office, (phone 785.267.3310) and should not be scheduled through our field personnel.

We recommend that the scope of work described in this proposal be provided to the person(s) who will be responsible for scheduling our services so that they are aware of the services that are proposed.

### **Conditions**

Our services specifically exclude job site safety responsibility, and our services do not relieve any contractor/subcontractor from complying with project specifications.

The scope of services described in this proposal is based on our interpretation of the project documents provided to us and our experience with similar projects in this area. The scope of services does not construe a warranty that Terracon intends to perform all required testing, inspection, or observation services required by the project documents. The proposed scope of services is limited to the services described above.

**Terracon**  
**EXHIBIT C**  
**COMPENSATION**  
**Proposal No. 14089257**

Terracon will provide the scope of services described in Exhibit B on a unit rate basis in accordance with the fee schedule below. Based on our understanding of the project, we suggest establishing a budget of about \$23,320 for our services as detailed on the attached estimate. The construction schedule, weather conditions, construction workmanship, etc. will determine the actual cost of our services. If the actual quantities exceed the estimated quantities at the request of the client or the contractor, additional fees will be billed in accordance with the fee schedule below. The billing for our services will be directed to Franklin County, Kansas.

**PERSONNEL**

Item 1.	(1220)Services of Technician I (3 hours minimum).....	40.00/hour*
Item 2.	(1215)Services of Technician II (3 hours minimum).....	45.00/hour*
Item 3.	(1210)Services of Technician III (3 hours minimum).....	50.00/hour*
Item 4.	(1205)Services of Technician IV (3 hours minimum).....	60.00/hour*
Item 5.	(1170) Services of Structural Steel Inspector (3 hours minimum).....	70.00/hour*
Item 6.	(1140)Services of Field Engineer .....	80.00/hour*
Item 7.	(1155)Services of Project Manager .....	100.00/hour
Item 8.	(1150) Services of a Registered Professional Engineer (on request) .....	125.00/hour
Item 9.	(1615)Transportation charges, private car or company vehicle .....	0.70/mile
Item 10.	(1190)Clerical .....	40.00/hour

**ASPHALT**

Item 1.	(2501)Extraction (ASTM D 2172) (includes gradation) .....	120.00/each
Item 2.	(2504)Marshall Stability Flow and Density (ASTM D 1559) (already mixed) .....	115.00/3 plugs
Item 3.	(2515) Theoretical Maximum Specific Gravity (ASTM D 2041).....	120.00/each
Item 4.	(2506) Core Thickness and Density (4" diameter).....	45.00/each

**SOILS**

Item 1.	(2001)Atterberg Limits Determination (LL, PL).....	70.00/test
Item 2.	(2039)Standard Proctor (ASTM D 698) .....	140.00/each
Item 3.	(2040)Standard Proctor (ASTM D 698) ROCK.....	160.00/each
Item 4.	(2045)Standard Proctor (ASTM D 698) fly ash treated w/2-hr delay.....	200.00/each
Item 5.	(2050) Hydraulic Conductivity Test (Remolded Permeability) .....	310.00/each

\*Increase hourly rate by 1.3 for services provided on Saturday and/or  
for services in excess of 8 hours per day Monday through Friday.  
There is a minimum charge of 3 hours.  
Hourly charges will be billed in 0.5 hour increments.

The schedule of fees will apply to services provided before June 2009  
and will be subject to review at that time.

**UNIT RATES AND FEE ESTIMATE  
STREET IMPROVEMENT PROJECT  
OTTAWA, KANSAS**

PERSONNEL ITEMS	ESTIMATED UNITS	UNIT RATE	ESTIMATED FEE
<b>A. Earthwork Testing (7 trips no asphalt)</b>			
1. Level III Technician	28	\$45.00/hour	\$1,260.00
2. Transportation Charge	840	\$0.70/mile	\$588.00
3. Standard Proctor	3	\$180.00/each	<u>\$540.00</u>
		<b>Subtotal</b>	<b>\$2,388.00</b>
<b>B. Asphalt Testing (10 trips no earthwork)</b>			
1. Level III Technician	40	\$45.00/hour	\$1,800.00
2. Marshall Properties	10	\$120.00/each	\$1,200.00
3. Extration/Gradation	10	\$130.00/each	\$1,300.00
4. Maximum Theoretical Density	10	\$110.00/each	\$1,100.00
5. Transportation Charge	1200	\$0.70/mile	<u>\$840.00</u>
		<b>Subtotal</b>	<b>\$6,240.00</b>
<b>C. Asphalt &amp; Earthwork Testing (13 trips)</b>			
1. Level III Technician	78	\$45.00/hour	\$3,510.00
2. Marshall Properties	13	\$120.00/each	\$1,560.00
3. Extration/Gradation	13	\$130.00/each	\$1,690.00
4. Maximum Theoretical Density	13	\$110.00/each	\$1,430.00
5. Transportation Charge	1560	\$0.70/mile	<u>\$1,092.00</u>
		<b>Subtotal</b>	<b>\$9,282.00</b>
<b>D. Supervision &amp; Report Preparation</b>			
1. Clerical	44	\$40.00/hour	\$1,760.00
2. Project/Field Engineer	24	\$100.00/hour	\$2,400.00
3. Registered Professional Engineer	10	\$125.00/hour	<u>\$1,250.00</u>
		<b>Subtotal</b>	<b>\$5,410.00</b>
		<b>Estimated Total</b>	<b>\$23,320.00</b>