



Engineering Internship Program Application

Name: _____ Social Security # _____

Perm. Address: _____ City, State, and Zip: _____

School Address: _____ City, State, and Zip: _____

Email Address: _____

Anticipated Date of Graduation: _____

Positions Available for 2017

Please indicate your 1st, 2nd, and 3rd choice for positions.

Positions Located In Topeka Headquarters & Topeka Districts (Number of Positions Available)

_____ **Transportation Safety and Technology (1)**

Engineering students in Transportation Safety Technology will obtain experience in all four Section of the Bureau (Traffic, Signing, ITS and Safety). They will conduct minor traffic studies and assist with conducting one or more Road Safety Audits (county wide traffic studies) under the direction/supervision or assisting an Engineer. They will also analyze crash data and draw collision diagrams when necessary. The students receive experience in minor permanent signing projects as well as reviewing/designing temporary traffic control plans. The students will also spend some time with the Intelligent Transportation Systems (ITS) Unit learning about the applications of technology on our highway system. The students will attend a wide variety of meetings and field reviews that may require overnight lodging.

_____ **Road Design (2) Topeka (2) Lawrence**

The interns will work in the design squads to help prepare road projects for highway construction. The work may include some or all of the following: operation of a CADD workstation, assisting in developing engineering drawings and notes, checking horizontal and vertical alignments and other geometric elements, preparing spreadsheets, checking/calculating quantities of bid items for construction letting, and general project document management.

_____ **Bridge Design (1) Topeka (1) Lawrence**

The interns will work in the design squads to help prepare bridge projects for highway construction. The work may include some or all of the following: calculating and checking material quantities, detailing bridge plans, checking bridge plans for accuracy (dimensions, etc.), modeling structures in bridge analysis and design software and writing simple software tools using Microsoft applications.

_____ **Bridge Design Hydraulics (1) Lawrence**

The intern will work in the design squad. The work will include open channel hydraulic modeling using HEC-RAS, HY-8 and other software as well as hydrologic modeling of drainage basins. Interns will prepare stream channel and bridge scour repair projects, involving Microstation CADD detailing, quantity and cost estimations, and environmental permitting reviews. Intern should have experience with ArcGIS and Microsoft Access databases.

Geotechnical Soils (1) Topeka

The intern will mentor under the supervision of Engineering Associates and the Chief Geotechnical Engineer learning drilling and sampling techniques, in-situ soil tests, laboratory testing procedures, rudimentary analysis of field and laboratory data, and eventually performing simple projects under the supervision of an engineer. Up to 30 percent overnight travel may be required with travel and per diem paid.

Transportation Planning (1)

Transportation planning interns will assist in annual data collection surveys, data review and data preparation. The data provides a record of highway conditions and geometric layout as seen by a driver and is used in place of a windshield survey of a section of highway: it provides a safe alternative to driving the lane, and it provides convenient access for users in the offices or for public presentations. Other data collected is used to verify maps of the state highway system and interchange ramps. Interns may have the opportunity to gain experience working with GIS and database tools.

Field Construction	# of Positions	Job Description
District One		
_____ Olathe	1	Working on a concrete paving project and a bridge deck replacement project, both on I-435. Position will be assisting with processing and performing tests, taking tickets, monitoring contract item quantities, and other inspection work.
_____ Emporia	1	Working on several asphalt surfacing projects in Lyon and Osage Counties. Position will be assisting with processing and performing tests, taking tickets, monitoring contract item quantities & spread rates and other inspection work on several asphalt paving projects.
_____ Topeka	2	Working on a large asphalt surfacing project on I-470 through Topeka, and several smaller asphalt surfacing projects around Topeka (US-24 near Perry, US-75 south of Topeka). Position will be assisting with processing and performing tests, taking tickets, monitoring contract item quantities & spread rates and other inspection work on several asphalt paving projects.
District Two		
_____ Salina	1	Assisting with processing and performing tests, taking tickets, inspection work on concrete and asphalt paving projects, bridge and culvert projects.
_____ Junction City	1	
_____ Marion	1	
_____ Belleville	1	
District Three		
_____ Hays	1	Assist an engineer/technician with the inspection of materials and construction operations in order to insure compliance with plans and specifications. This will require some understanding of the plans and specifications
_____ Phillipsburg	1	
_____ Oakley	1	
_____ Atwood	1	
District Four		
_____ Pittsburg	1	Job duties will be general construction inspection and materials testing on road and bridge projects. Other duties such as performing calculations, design, drafting, reporting, etc., may be assigned depending upon the person's experience and capabilities
_____ Garnett	1	
District Five		
_____ Wichita Hillside/ Wichita West	2	Will assist with the inspection of bridge repairs, new bridge construction on I-235, concrete paving, asphalt overlay, major interchange reconstruction of I-235 and US 54 (see website

www.235kelloggcentral.com), intelligent transportation system construction, surveying, and or development of contract repairs.

District Six
_____ Garden City 1

Assist an engineer / inspector with materials testing and inspection on major earthwork projects, both N. and E. of Liberal. Or, assist with materials testing and inspection on either concrete or asphalt paving operations from either office.

_____ Liberal 1

Do you have relatives working at KDOT? If so, whom _____
location _____

Have you ever been convicted of a felony? Yes No

I affirm that the facts set forth above in my application for employment are true, correct and complete to the best of my knowledge. I understand that I may be required to submit information not requested on this application form, that the employing agency may verify any information provided by me in the employment process, and that incomplete information or omission of my signature is just cause for rejection of my application.

I also understand that any omission of information or erroneous information provided in any part of the employment process would be sufficient cause for discharge.

Signature of Applicant Date

Please make certain that you return the following:

- 1. Application**
- 2. Certification of Enrollment in an Engineering Program**
- 3. Resume**
- 4. Transcript (can be an unofficial copy)**

Please return to the following address:

**Debbie Wallace
Engineering Recruiter
Kansas Department of Transportation
Division of Engineering and Design
P.O. Box 760. Hays KS 67601
debbie.wallace@ks.gov**

If you have questions, Please contact me at 785-289-7051



**Certification of Enrollment in an ABET Accredited
Engineering Program**

This notice will serve as certification that _____ is currently
(Name of Student)

enrolled in the Engineering Program at

(Name of School)

In the fall 2017 semester, this student will be entering his/her:

_____ Sophomore Year _____ Junior Year _____ Senior Year

(Student Signature)

(Date)

(Engineering Dept. Chairman's Signature)

(Date)

***This form must be completed and returned with the Kansas Department of Transportation
Employment Application.***