



**JOB INFORMATION**

Job Code	JA03E
Job Description Title	NCAT Engineer V
Pay Grade	RE12
Range Minimum	\$83,020
33rd %	\$105,160
Range Midpoint	\$116,230
67th %	\$127,300
Range Maximum	\$149,430
Exemption Status	Exempt
Approved Date:	1/1/1900 12:00:00 AM
Legacy Date Last Edited	1/5/2012

**JOB FAMILY AND FUNCTION**

Job Family:	Research
Job Function:	Disciplinary Research

**JOB SUMMARY**

Applies engineering concepts, principles, and practices in research, development, testing, design and analysis of asphalt materials, processes, and equipment.

**RESPONSIBILITIES**

- Performs research and development assignments related to asphalt technologies following guidelines and requiring the application of professional civil engineering practices and principles.
- Advises faculty, students, research sponsors, and staff with design, modification, prototype, processes, analysis procedures, and other engineering solutions.
- Performs lab testing for asphalt related research.
- Performs field performance tests to include diagnostics, transverse profiles, and fatigue crack analysis and mapping to determine causes of premature deterioration of asphalt.
- Prepares proposals, budgets, schedules, and progress reports and presents results of asphalt technology research.

**SUPERVISORY RESPONSIBILITIES**

Supervisory Responsibility	May supervise employees but supervision is not the main focus of the job.
----------------------------	---

**MINIMUM QUALIFICATIONS**

**To be eligible, an individual must meet all minimum requirements which are representative of the knowledge, skills, and abilities typically expected to be successful in the role. For education and experience, minimum requirements are listed on the top row below. If substitutions are available, they will be listed on subsequent rows and may only be utilized when the candidate does not meet the minimum requirements.**

**MINIMUM EDUCATION & EXPERIENCE**

Education Level	Focus of Education		Years of Experience	Focus of Experience	
Bachelor's Degree	Degree in Civil Engineering	And	8 years of	Experience in engineering and research practices and principles. Experience must include at least 2	

## MINIMUM EDUCATION & EXPERIENCE

Education Level	Focus of Education		Years of Experience	Focus of Experience	
				years at the preceding level or equivalent.	

Substitutions Allowed for Experience: Yes

*Substitution allowed for Experience: When a candidate has the required education, but lacks the required experience, they may normally apply additional appropriate education toward the experience requirement, at a rate of one (1) year relevant education per year of required experience.*

## MINIMUM KNOWLEDGE, SKILLS, & ABILITIES

Applies diversified knowledge of engineering principles and practices to broad variety of assignments and related fields. And

Requires use of advanced techniques and modification and extension of theories, precepts and practices in individual's field.

## MINIMUM LICENSES & CERTIFICATIONS

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/Desired
None Required.			

## PHYSICAL DEMANDS & WORKING CONDITIONS

Physical Demands Category: Other

## PHYSICAL DEMANDS

Physical Demand	Never	Rarely	Occasionally	Frequently	Constantly	Weight
Standing				X		
Walking			X			
Sitting				X		
Lifting	X					
Climbing			X			
Stooping/ Kneeling/ Crouching			X			
Reaching				X		
Talking					X	
Hearing					X	
Repetitive Motions					X	
Eye/Hand/Foot Coordination					X	

## WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
Extreme cold			X		
Extreme heat			X		
Humidity			X		
Wet			X		

# WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
Noise			X		
Hazards			X		
Temperature Change			X		
Atmospheric Conditions			X		
Vibration			X		

**Vision Requirements:**  
Ability to see information in print and/or electronically.