

<b>WORKING TITLE</b>	Research Associate TransGET
<b>PAYROLL CLASSIFICATION</b>	Research Associate III (N3343)
<b>DEPARTMENT</b>	College of Engineering – TransGET Center / CSULB Research Foundation
<b>STATUS</b>	Full-Time Benefitted, non-Exempt/Hourly
<b>POSTING DATE</b>	11/13/2023
<b>POSITION NUMBER</b>	2645

## ESSENTIAL JOB FUNCTIONS

Manages and maintains advanced materials characterization equipment at the National Center for Transportation, Green Technology, and Education (TransGET).

## DUTIES AND RESPONSIBILITIES

- Managing the operation and training of the highly specialized Materials Testing System (MTS) equipment and the Strategic Highway Research Program Superpave asphalt binder and mixture equipment;
- Developing of specialized software (requiring advanced computer skills) for the conduct of various standard and research type test procedures and data acquisition;
- Managing, training and teaching training sessions in the Joint Training and Certification Program (JTCP);
- Managing Graduate Research Assistants in the execution of their research and assisting in their training;
- Conducting advanced scientific research related to transportation materials research;
- Analyzing the data collected, which involves the development of complex mathematical models for the estimation of engineering characteristics of highway materials;
- Calibrating and verifying the developed mathematical models with laboratory experimental and field performance data;
- Participating in the preparation of technical reports and publications;
- Disseminating study results and research findings in journal and professional meetings;
- Conducting presentations at technical conferences and seminars;
- Other duties as assigned. This job description is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to the job.

## EDUCATION, SKILLS AND ABILITIES

- Master's Degree in Civil Engineering or related field; and one (1) year of experience in pavement engineering/ transportation materials characterization and transportation material research in asphalt mixture design.
- Knowledge of finite element analysis and numerical modeling, finite element coding and familiarity with ABAQUS numerical modeling software.

- Knowledge of Discrete element analysis and numerical modeling, discrete element coding and familiarity with PFC2D numerical modeling software.

Must be able to accept constructive criticism, prioritize workload, be professional and dependable, interact positively with others and possess a friendly and outgoing personality. Regular, punctual attendance required. This position is employed through the CSULB Research Foundation. Employment is at-will.

## **POST OFFER BACKGROUND CHECK REQUIREMENT**

A post offer background check (including a reference and criminal records check) must be completed, and the individual cleared, before they can start work with the CSULB Research Foundation. No information will be required prior to the offer of employment. Once an offer of employment is made, failure to complete the background check and receive clearance may affect the application status of a new hire individual and/or the continued employment of a current CSULB Research Foundation employee who has applied for/moved into a new position. Individuals working with minor children and/or the elderly will be required to renew their live scan fingerprinting and be cleared every twelve (12) months. Information obtained through the background check does not automatically disqualify an individual from employment.

## **GRANT FUNDED EMPLOYMENT**

This position is restricted to the conditions set forth in the grant. Ongoing employment is contingent upon satisfactory job performance and continual renewal of grant money/availability of funds.

**COMPENSATION RANGE:** \$30.00 per hour

**FILING DEADLINE:** Open Until Filled

**NOTE:** In order to be considered for this position, please submit the required information as soon as possible. The hiring committee will review applications, interview qualified candidates and close the position anytime on or after two (2) weeks from the posting date listed above. Removal of a position from our website is indication that the position has been filled.

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## **APPLICANT PROCEDURE**

Interested individuals should forward their cover letter, resume, and completed employment application referencing position number to the CSULB Research Foundation Human Resources Department in one of the following ways:

- By Mail/Delivery: 6300 State University Drive, Suite 332, Long Beach, CA 90815
- By Confidential HR Fax: 562. 985.1726
- By E-mail: [FND-HRPAYROLL@CSULB.EDU](mailto:FND-HRPAYROLL@CSULB.EDU) (put Job# in the Subject line)

A separate application is necessary for each employment opportunity posting. The employment Application can be found alphabetically on our website at <https://www.csulb.edu/research-foundation>, under the Forms, then the Human Resources tab. It is the responsibility of the applicant to clarify on their application their ability to perform the job for which they are applying. Individuals requiring a reasonable accommodation in order to apply for this position should provide necessary information to the Director of Human Resources. Additionally, individuals invited to interview for this position should inform the Director of Human Resources at the time of invitation, of any requirements for a reasonable accommodation.

## **NOTICE**

The CSULB Research Foundation does not discriminate on the basis of sex in its employment as required by Title IX of the Education Amendments of 1972, as amended, and Section 86.9 of the administrative regulations adopted by the Department of Education pursuant thereto, nor does it discriminate on the basis of race, color, religion, national origin (including language restrictions), sex (pregnancy or gender), sexual orientation, marital status, age, disability (mental and physical, including HIV and AIDS), ancestry, medical condition (cancer/genetic characteristics), denial of family and medical care leave, denial of pregnancy disability leave or reasonable accommodation or veteran's status (including Vietnam-era veterans) as required by other federal/state non-discrimination statutes, related administrative regulations and executive orders. Individuals selected for employment must provide proof of identity and employment eligibility as prescribed in Title 8, United States Code, and Section 132A. We are an Equal Opportunity, Affirmative Action, and Title IX Employer. The CSULB Research Foundation is a 501 (c) (3) corporation that exists solely to support and advance the mission of CSULB. Employment with the CSULB Research Foundation rests solely with the CSULB Research Foundation and provides no rights or benefits of employment or any other kind, with any other organization. This includes but is not limited to: California State University Long Beach, the State of California, or the sponsoring agencies of any programs administered by the CSULB Research Foundation.