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| WORKING TITLE          | Research Associate TransGET  |
| PAYROLL CLASSIFICATION | Research Associate III (N3343)                                       |
| DEPARTMENT             | College of Engineering – TransGET Center / CSULB Research Foundation |
| STATUS                 | Full-Time Benefitted, non-Exempt/Hourly                              |
| POSTING DATE           | 11/13/2023   |
| POSITION NUMBER        | 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 Strategic Highway Research Program Superpave asphalt binder and mixture equipment;
- Developing of specialized software (requiring advanced computer skills) for the conduct of various 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 engineering characteristics of highway materials;
- Calibrating and verifying the developed mathematical models with laboratory experimental and field 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 complete 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 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

- Knowledge of Discrete element

## NOTICE

The CSULB Research Foundation does not discriminate on the basis of sex in its employment as required by 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 (physical, including HIV and AIDS), ancestry, medical condition (cancer/genetic characteristics), denial of family status, or marital status.

# APPLICANT AFFIRMATIVE ACTION INFORMATION FORM

## VOLUNTARY

Thank you for your interest in employment with our Company. The following questions about your race and gender and Protected Veteran status are included only because of government regulations. As an Equal Opportunity Employer, the Company does not use WKLVLQIRUPDWLRQLQLWVHPSOR\PHQWGHFLVLRQVVRZKHWKHURUQRW\RXUH we are a government contractor subject to the Vietnam Era Veterans' Readjustment Assistance Act of 1974, as amended by the Jobs IRU9HWHUDQV\$FWRI ZHFRPSO\ZLWKUHTXLUHPPHQWVWRWDNHD^UPDWLYH HPSOR\PHQWRI TXDOL¿HG3URWHFWHG9HWHUDQVGLVDEOHGYHWHUDQVDFWLYH medal veterans, and recently separated veterans). If you come within any of those categories, and would like to be included in our D^UPDWLYHDFWLRQSURJUDP\RXPD\WHOOXVQRZRU DW DQ\WLPHLQWKHIXW future, about any reasonable accommodations that you believe we could make which would better enable you to perform the essential

## VETERAN STATUS

a. Status: Select one of the following

I identify as a veteran, just not a Protected Veteran.

I am not a veteran.

I do not wish to self-identify.

b. Protected Veterans are described as:

### Disabled Veteran

Veteran entitled to VA-administered disability compensation for, or discharged from active duty because of, a service-connected disability, or who would be so entitled but for receipt of military retired pay.

### Active Duty Wartime or Campaign Badge Veteran

9HWHUDQ ZKR VHUYHG RQ DFWLYH GXW\ GXULQJ D ZDU RU D FDPSDLJQ has been authorized. List of eligible campaigns can be found at [KWWS\\_ZZZ\\_RSP\\_JRY\\_VW-D^QJSRUVal2.asp](#).

### Armed Forces Service Medal Veteran

Veteran who, while on active duty, participated in a military operation for which an Armed Forces Service Medal has been authorized.

### Recently Separated Veteran

Veteran who served on active duty and was discharged or released from active duty within the last three years.

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Please submit completed form with your resume and employment application to:

CSULB Research Foundation, Human Resources

- By Mail/Delivery: 6WDWH 8QLYHUVLW\ 'ULYH 6XLWH /RQJ %HDFK &\$
- %\ &RQ¿GHQWLDO +5 )D[
- By E-mail: )1' +53\$<52//#&68/% ('8 SXW -RE LQ WKH 6XEMHFW OLQH