**Postdoctoral Associate – Transportation Engineering Specialty**

Fresno State Transportation Institute

Lyles College of Engineering

**Transportation Engineering**

**Postdoctoral Associate (12 months appointment)**

**\*Overview:**

The Fresno State Transportation Institute at California State University, Fresno is an established regionally funded transportation institute that focuses on advanced transportation systems. It is the seed of a unique collaboration between California State University, Fresno and Fresno County Transportation Authority. The Lyles College of Engineering is the largest and oldest publicly supported engineering college in the San Joaquin Valley in Central California. Fresno is the fifth largest city in the state of California.

**\*Position Summary:**

The Fresno State Transportation Institute at California State University, Fresno seeks applicants for a full time (12 months) postdoctoral associate position in Transportation Engineering with emphasis in one or more of the following areas: Advanced Transportation Systems (e.g. Automated Transportation Systems, Shared Mobility Systems, etc.), Advanced Transportation Energy Systems (e.g. Electric Vehicles, etc.), Advanced Travel Demand Management Systems (e.g. Smartphone Transportation Apps, Gamification, Data Fusion, etc.), and/or Advanced Transportation Emissions and Air Quality. The successful candidate is expected to possess experience in Modeling, Simulation, and/or Optimization of Advanced Transportation Systems; demonstrate knowledge and passion for advanced transportation systems and transportation sustainability, and be a highly motivated and hard-working postdoctoral researcher.

The postdoctoral associate will support Fresno State Transportation Institute’s four focus areas: Education, Research, Public Service and Outreach. The selected candidate will be expected to be self-motivated, possess and demonstrate leadership abilities, and initiate and lead different initiatives at the Institute. The selected candidate will mainly work collaboratively with faculty, staff, and with professionals from public agencies and industry; conduct scholarly and applied research; pursue and work on grants on behalf of the Institute; lead and mentor graduate and undergraduate student researchers; assist in planning and scheduling of Institute events and other activities; develop reports and grant proposals; and conduct outreach activities with K-12 schools and community colleges. Additionally, depending on department needs, the successful candidate will have the opportunity to teach undergraduate and graduate courses for additional compensation.

Candidates from underrepresented groups are highly encouraged to apply.

**\*Required Education:**

An earned doctorate (Ph.D.) in Civil Engineering or a related discipline from an accredited institution (or equivalent) is required. Candidates nearing completion of the doctorate (ABD) may be considered; for continued appointment, the doctorate must be completed by **May 2022**. A Bachelor of Science (BS) in Civil Engineering, Transportation Engineering, or a closely related engineering field, is also required.

**\*Required Experience:**

Ability to demonstrate a commitment to working effectively with faculty, staff, and students from diverse ethnic, cultural, and socioeconomic backgrounds.

**\*Preferred Qualifications:**

1) Experience working with public government agencies (local, regional, state or federal) and/or private sector; 2) Experience writing and developing grant proposals for external resources; 3) Evidence of leadership abilities; 4) Evidence of scholarly articles and conference presentations; and/or 5) Professional experience as a Civil Engineer (e.g. PE license).

**\*Application Procedures:**

Review of the application will continue until the position is filled. Preferred start date is January 10, 2022. To apply, applicants must complete an on-line application at <http://www.auxiliary.com/auxhr/jobs.html> and attach the following: 1) a cover letter specifically addressing required experience and preferred qualifications; 2) a curriculum vitae; 3) a statement of research interests (no more than two pages); and 4) a list of at least three professional references. Finalists will be required to submit: 1) official transcripts, and 2) three letters of recommendation. For inquires, contact: Dr. Aly Tawfik, Director, Fresno State Transportation Institute, California State University, Fresno; 2320 E. San Ramon Ave., M/S EE94; Fresno, CA 93740-8030; Phone: 559.278.6096; E-mail: [tawfik@csufresno.edu](mailto:tawfik@csufresno.edu)