The San Diego Association of Governments invites applications for the position of:

**systems engineering intern**

If you are a student or recent graduate, a paid internship at SANDAG may be a great way to launch your career! The agency is always working on interesting and challenging projects and our managers are dedicated to sharing these experiences and mentoring the next generation of professionals in the industry.

The experience is substantive. If selected for an internship, you would be fully integrated into your team and given project responsibilities that are both learning opportunities and a chance for you to contribute to the overall success of the agency. You will enhance your technical knowledge in your chosen field and refine your abilities to collaborate, contribute to high-performing teams, and communicate - skills that are the essence of a successful professional!

**Apply immediately; this position is open until filled**

**Expected start date: March 2014**
Overview of our Systems Engineering Program
Mid-Coast Trolley Extension. Enhancements to existing Trolley lines. Deploying regional traveler information systems. Traffic signal prioritization. Transportation system control and communications networks. These are a few examples of the priority projects our Systems Engineering group are working on. As a member of this team, the intern will gain exposure to the industry-leading work SANDAG is doing in these areas.

Intern Responsibilities
With the guidance and mentoring of senior staff, this position will provide a “hands-on” learning experience in the engineering profession. Examples of intern responsibilities include:

- Assist with the update of the Light Rail Transit Standard Plan in rail-related electrical, signaling, and communications systems.
- Contribute to the preparation of various types of reports, project summaries, correspondence, and presentations.
- Assist with the development and implementation of a document control and management system.
- Provide technical support for the conceptual design of intelligent transportation systems.
- Participate in the detailed design of rail-related electrical, signaling, and communication systems.
- Participate in field investigations and meetings with various agencies.
- Assist with project management and project oversight activities.
- Other related work as assigned.

Qualifications
SANDAG staff are known for their commitment to excellence and passion for the work they do. We look for the same qualities in interns. To be most successful in this position, our ideal candidate would have the following education, experience, and attributes:

- An educational background in electrical engineering, computer systems engineering, communications engineering, mechanical engineering, or a related field.
- Ability to independently complete complex assignments that involve researching, analyzing, and synthesizing information into written summaries, reports, or recommendations.
- Advanced computer skills with Microsoft Word, Excel, and PowerPoint, and Internet research is required; proficiency in Access or other relational database technology is highly desirable.
- Experience with AutoCAD or Microstation is highly desirable.
- Knowledge of electrical, railway signaling, and communication systems is highly desirable.
- Ability to communicate with various audiences using exceptional interpersonal, written, and oral communication skills.
- Excellent organizational skills, attention to detail, and ability to multitask and work on several projects simultaneously.
- Demonstrated flexibility and willingness to perform a variety of tasks typical of an entry-level research position.

Program, Pay, and Perks
Interns are paid $13.50 per hour and receive pro-rated holiday pay and a regional transit pass. This internship is offered as a one-year position, working approximately 20 to 25 hours per week. The work is primarily performed during SANDAG’s normal business hours and, from time to time, may involve evenings and weekends; a specific schedule will be worked out between the intern and manager.

How to Apply
We encourage all interested candidates to apply for this internship by sending us a completed Employment Application form along with a recent 2-to-3 page technical writing sample such as a school or work project report or essay. A cover letter describing how this internship would contribute to your career goals, including demonstrated interest in electrical, mechanical, communications, or computer systems activities is highly desirable.

The application form can be downloaded from the Careers section of the SANDAG website. Once completed, your application and writing sample can be e-mailed to hr@sandag.org or sent to SANDAG, Attn: Human Resources, 401 B Street, Suite 800, San Diego, CA 92101.

Apply immediately. We are accepting applications on an ongoing basis until the position is filled. The internship is expected to start in March 2014.

Any questions regarding this internship or application procedures can be referred to Cristen Powell, Human Resources Analyst, at cristen.powell@sandag.org or (619) 595-5379.

Applicants requiring an accommodation due to a disability should state their needs in writing when submitting an application.

About SANDAG
SANDAG is one of the most recognized regional agencies in the nation with responsibilities that cover a broad range of complex, interrelated program areas connected by a Quality of Life theme. We are best known for our efforts related to transportation and this role continues to expand as we push beyond traditional boundaries to deliver a state-of-the-art transportation system for the region. In recent years SANDAG’s leadership in areas such as comprehensive land use and environmental planning, public safety, and modeling and data systems, also have earned us much acclaim. With an employee group about 300 strong, we work for our Board of Directors - mayors, councilmembers, supervisors, and other leaders representing the jurisdictions within the San Diego region and neighboring areas. They play the important role of making policy decisions that shape the future of the region. Our collaboration with stakeholders, partners, and the community, the precision of our data, the completeness of our reports and studies, and our sound recommendations are essential components of the regional decision-making process.

SANDAG is an Equal Opportunity Employer