

ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT)

Driving the future of transportation with a diverse and innovative team

To learn more about our team [CLICK HERE](#)

All Arizona State employees operate within the Arizona Management System (AMS), an intentional, results-driven approach for doing the work of state government whereby every employee reflects on performance, reduces waste, and commits to continuous improvement with sustainable progress. Through AMS, every state employee seeks to understand customer needs, identify problems, improve processes, and measure results. State employees are highly engaged, collaborative and embrace a culture of public service.

Infrastructure Delivery and Operations Division (IDO)

Transportation Engineering Survey Technician Senior

To learn more about the Infrastructure Delivery and Operations Division (IDO)

[Click Here](#)

LOCATION

1001 N. Black Canyon Hwy., Phoenix, AZ 85009

JOB SUMMARY

The Transportation Engineering Survey Senior Technician:

- Drive a state vehicle in the course and scope of state business for projects in the Five-Year Transportation Facilities Construction Program

- Locate and collect survey data at the existing survey monuments, section corners, right-of-way markers, edge of pavement and drainage structures as needed for the project assigned
- Collect and interpret aerial photos, maps construction plans, and as-built plans to locate project sites for required project work
- Establish horizontal and vertical control; install and survey construction stakes
- Prepare sketches, annotate aerial photographs and compile survey books. Establish priorities of the daily workflow for the assigned survey tasks
- Assist the survey crew chief in identifying short term and intermediate range survey supplies and equipment needs
- Maintain adequate and restock survey supplies
- Maintain and operate survey equipment, personal computer and vehicles as needed
- Provide technical assistance and training to less experienced personnel
- Attend seminars, training to improve job knowledge and skills

The work requires extensive presence in the field which requires overnight stay in hotels/motels close to the project site

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of:

- Comprehensive knowledge of general surveying practices and principles on the field of control surveys, geodetic control surveys Global Positioning Systems (GPS) and adjustment of survey observations

- Comprehensive knowledge on the interpretation of survey related technical data and aerial photographs
- Extensive knowledge of construction plans, centerline alignments and aerial photography
- Federal and State Statutes, agency policies and procedures and standards

Skills in:

- Operation and calibration of a wide variety of surveying instruments such as automatic and digital levels, geodimeters, total stations, personal computers, and Global Positioning Systems (GPS)
- Map and aerial photo reading
- Mathematical calculations; including geometry, trigonometry and algebra
- Skills in the resolution and problems encountered at the job
- Oral and written communication and interpersonal relationships

Ability to:

- Organize work, record keeping, reading and comprehension of technical manuals and papers
- Analyzing engineering, surveying and GIS data used in the design, construction and maintenance of highways and other civil works
- Work outdoors for extended time, exposed to heat, cold, dust and noise

PREFERRED REQUIREMENTS

The ideal candidate for this position will have;

National Society of Professional Surveyors (NSPS) Level II OR registration as a Land Surveyor in Training in Arizona (LSIT) must be obtained before permanent status can be granted. Four years of experience in surveying, including experience as a technician functioning as a lead worker performing activities on a survey crew.

BENEFITS

The State of Arizona provides an excellent comprehensive benefits package including:

- Affordable medical, dental, life, and short-term disability insurance plans
- Top-ranked retirement and long-term disability plans
- Accrued vacation at 4.00 hours bi-weekly for the first 3 years
- Sick days at 3.70 hours bi-weekly
- 10 paid holidays per year
- Deferred compensation plan
- Wellness plans

Please visit http://www.azdot.gov/Inside_ADOT/HR/Employment.asp to learn more about benefits given to ADOT employees.

PRE-EMPLOYMENT REQUIREMENTS

This position requires possession of a valid Arizona Class D Driver License. Candidates for this position must complete page 5 of the State of Arizona Application for Employment at the time of interview, which will allow ADOT to obtain the candidate's motor vehicle record (MVR). The most recent 39-month period shown on the MVR will be reviewed in accordance with A.A.C. R2-10-207.12 (H) and (I). The review must show an acceptable driving record prior to any offer of employment being made by ADOT. Employment is contingent upon an acceptable MVR.

PHYSICAL DEMANDS

- The work requires extensive presence in the field which requires frequent travel with overnight stay in hotels/motels close to the project site.
- Depending on the work location and assignment may encounter weather conditions, including extremes of cold, and heat, considerable time away from home base, rugged terrain, and high speed traffic condition.

- This position requires one to lift/carry heavy materials – push/pull 25-29 lbs. floor to waist. Must be able to push/pull up to 90 lbs.

All newly hired employees will be subject to the E-Verify Employment Eligibility Verification Program.

ADOT supports a diverse multi-cultural workforce that reflects the community, promotes equal opportunity at all levels of the Agency, and creates an inclusive work environment that enables all individuals to perform to their fullest potential free from discrimination.

To submit your resume click the "APPLY NOW" button below

Having trouble applying for this position?

Email HRIShelpdesk@azdoa.gov or call (602) 542-4700 for assistance.