

STATE OF ARIZONA JOB CODE SPECIFICATION

FLSA:	NEXP	Job Code:	ACV97313
Job Class Code:	270	Salary Schedule:	ANONREG
EEO Category:	03	Grade:	S7
Workers Comp Code:	8601		

Job Code Established:	04/23/84	Effective Date:	04/23/84
Job Code Revised:	01/01/00	Effective Date:	
Job Code Revised:	04/01/06	Effective Date:	04/01/06

JOB CODE SERIES: Transportation Series

JOB CODE TITLE: TRANSPORTATION ENGINEERING SURVEY SR TECHNICIAN

HRIS TITLE: TR ENGRG SURVEY SR TECH

CHARACTERISTICS OF THE CLASS: Under the direction of a Transportation Engineering Survey Specialist, performs as a lead instrument person; prepares and surveys selected sites and assists in the supervision of a field survey crew and related duties.

EXAMPLES OF DUTIES: Prepares and surveys assigned locations; directs and assists a field survey crew to locate existing survey monuments, sets traverse points for control, sets new survey monuments for use as control points, and paints and/or sets targets for aerial mapping; directs and assists a survey crew on multiple transportation construction projects; makes minor adjustments to the methods and workflow to accommodate changing conditions; verifies locations of construction project items in the field and in the plans; clarifies and interprets plans for subordinates, project field personnel and contractor personnel; provides advice to project personnel, keeping them informed of project construction plan changes; performs daily tasks by demonstrating proper procedures for using specialized equipment; operates a variety of survey equipment including Global Positioning System (GPS) Satellite Receiver, **total stations** and electronic levels to establish horizontal and vertical control; compiles field survey books; prepares maps, diagrams, and sketches, annotates photographs and writes field survey notes; writes detailed descriptions of survey site control points and monuments for geodetic positions and later recovery; draws maps for each project, notes angles, distances, and calculates slopes; composes and completes a transit book to record all survey data; sets or directs others to set traffic control signals on job site for workers' safety; reviews subordinates' work in progress, or upon completion, to ensure the accuracy and completeness of computations and measurements; explains and demonstrates basic survey field methods to agency field personnel; and performs other related duties such as testing and maintaining survey equipment and operating and maintaining assigned vehicle(s).

KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of: construction, location or photogrammetric surveying methods, procedures and techniques; uses and capabilities of a wide variety of survey equipment such as Global Positioning Systems, geodimeters, automatic and electronic levels and personal computers; mathematics as applied to reduce and adjust field and office survey calculations; methods and procedures used in analyzing and evaluating a variety of survey data; Federal and State statutes and agency standards, policies and procedures applicable to the area of assignment; agency safety standards, policies and procedures; principles and practices of work leadership and management; computer programs applicable to functional work unit.

Skill in: operating survey instruments including electronic total stations, digital and automatic levels, Global Positioning Systems equipment and theodolites; entering data in electronic surveying equipment, field books and computers.

Ability to: write field notes; read and interpret a variety of technical data including plans, specifications, topographic and plat maps and aerial photographs; draft topographic information; keep records; communicate verbally and in writing; apply the principles and practices of work leadership and management; establish and maintain work relationships.

SPECIAL SELECTION FACTORS: A medical/physical evaluation is required prior to appointment.
Experience equivalent to a Transportation Engineering Survey Technician.