

STATE OF ARIZONA JOB CODE SPECIFICATION

FLSA:	NEXP	Job Code:	ACV97320
Job Class Code:	270	Salary Schedule:	ANONREG
EEO Category:	03	Grade:	S1
Workers Comp Code:	8601		

Job Code Established:	01/24/92	Effective Date:	
Job Code Revised:	01/01/00	Effective Date:	

JOB CODE SERIES: Civil Engineering and Related Technician Series

JOB CODE TITLE: TRANSPORTATION ENGINEERING WORKER

HRIS TITLE: TR ENGR WORKER

CHARACTERISTICS OF THE CLASS: This class has no supervisory role. Training in the area of assignment will provide the required skills and knowledge for advancement. Direct supervision will be provided through the training period. Makes decisions that affect the work assignment as delegated by the supervisor. This is a training class. Appointment to this class may not exceed 24 months. There will be no permanent allocations in this class. Incumbents perform engineering work with progressing responsibility as skills and knowledge increases. Incumbents are expected to be promoted to an entry/journey level position in the area of assignment upon meeting the minimum requirements. Completes work assignment applicable to the work unit.

EXAMPLES OF DUTIES: Counts passing vehicles with counter, and fills in report to establish data base for traffic engineering. Totals and summarizes vehicles counted in highway count, by size, number of axles, and other features. Weighs heavy earth-moving equipment to determine amount of construction materials being used; writes weight tickets. Collects weight tickets from truck drivers at dumping sites and computes, using weight figures, the area to be covered when material is dumped. Using sieve scales and calculator, analyzes crushed aggregates for gradation requirements by finding the percentage of given aggregate sizes of materials sampled. Takes soil samples of construction project and then analyzes samples in field laboratory to determine compaction and moisture content. Operates core drilling machine to take materials samples from road for analysis. Performs test in laboratory on soil composition, surfacing material aggregates, oil and water content, embankment compaction, plant mix density, and other factors as required. Compares two or more forms, lists, columns, or aggregations of figures, using visual observation and adding machine, and totals both sets of figures, noting discrepancies, and rechecking own work for errors. Reads and studies instructional or informational material in order to increase and expand knowledge base at elementary working level in the work system. Performs all tasks necessary for setting up traffic control. During the performance of surveys, acts as rodman; erects signals and targets; cleans line of obstacles; drives stakes; erects survey stations. Erect aerial photography targets, cleans area of obstacles, brush, etc. Performs daily maintenance of vehicles; adds gas, water, oil, and air as needed. Confers with supervisor on regular basis, discussing work processes, incidents, problems and plans, and receiving advice, counseling, and instruction. Performs relates work as required.

WORK CONDITIONS: Depending on the assignment, incumbent may be required to spend considerable amount of time away from home base, work in rugged terrain, lift a minimum of 35 pounds, carry loads over rough terrain.

KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of: procedures and techniques of surveying, construction standards, inspection, quality control and/or materials analysis; proper construction documentation procedures; the organization and function of the agency; agency safety practices and procedures.

Skill in: surveying, construction, inspection, and/or materials analysis; operating electronic calculator; operating and caring for various tools and equipment used in the work unit.

Ability to: read and interpret highway maps/plans; perform basic engineering calculations; complete work assignments assigned by the supervisor; apply one's self in order to increase and expand knowledge base at elementary working level.

SPECIAL SELECTION FACTORS: Requires ability to pass a post-offer physical exam.