

STATE OF ARIZONA JOB CODE SPECIFICATION

FLSA:	NEXP	Job Code:	ACV97333
Job Class Code:	500	Salary Schedule:	ANONREG
EEO Category:	03	Grade:	S7
Workers Comp Code:	5506		

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

JOB CODE SERIES: Transportation Series

JOB CODE TITLE: TRANSPORTATION ROADSIDE IRRIGATION SYSTEMS TECHNICIAN

HRIS TITLE: TR ROADSIDE IRR SYS TECH

WORK DESCRIPTION: Designs public use water distribution and landscape irrigation systems for maintenance camps, roadside rest areas and landscaping projects statewide; performs construction inspection of water systems; modifies irrigation systems as needed.

WORK ACTIVITIES: designs complete and functional water distribution system and landscape irrigation system for rest areas, maintenance camps, highway landscape projects and others.

Constructs detailed engineering drawings from engineering data and recommendations working with some independence and flexibility of method.

Gathers data and supplies data for computer input in order to receive precise calculations for detailed engineering drawings.

Conducts visual field survey and constructs maps showing location of utilities in building complex and other areas.

Constructs detailed engineering drawings from engineering data received from field investigations.

Makes design calculations for sewage and water supply facilities to be used in highway rest areas or maintenance areas.

Makes computations of distances, dimensions and other measurements from aerial survey photographs.

Develops quantity summaries for bid items for water distribution system or landscape irrigation construction (computes quantities of materials or services needed for a construction project). Submits for approval of supervisor.

Confers with architects and construction engineers regarding construction designs and plans, and their conformance to standards, specifications or legal requirements.

Inspects construction in progress to assure its conformance with specifications, agreements and established requirements.

Evaluates water flow rates, electric motor performance, pump performance and well capacities in connection with water system development projects.

Devises a schedule of work, itinerary, agenda or timetable, or established priorities for self and co-workers, or team members, on a daily, weekly or other periodic basis.

Attends staff meetings of work unit or section, under direction of work supervisor; gives and receives information helpful in work unit or work system operation.

Explains agency policies, procedures and practices to applicants, clients, representatives of other agencies, or outside individuals or groups.

Performs related tasks as may be assigned.

WORK CONDITIONS: No unusual work conditions.

SUPERVISION:

Works under the general supervision of a first-line supervisor and exercises considerable independent judgment within established agency standards and guidelines.

WORK RESULTS/PRODUCTS: Completed preliminary and final design plans, cost estimates and specifications for water distribution systems and landscape irrigation projects.

RESPONSIBILITY: Timely and accurate completion of a final design, plans and related documents for the completion of the project.

AUTHORITY: Decisions on materials, components, and procedures required to produce complete plans and specifications; make periodic maintenance and construction inspections and may recommend corrective actions if required.

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of: the principles, concepts and current practices of water distribution and landscape irrigation system design and construction; the methods, procedures and techniques used in adapting irrigation system components to plant materials and soil conditions; agency standards, policies and procedures applicable to the area of assignment; current plumbing and health codes as applied to water distribution and landscape irrigation system designs.

Skill in: designing water distribution systems and landscape irrigation systems; using drafting equipment.

Ability to: read and interpret highway and structures designs, plans and specifications; establish and maintain work relationships with contractors and representatives of various companies and organizations.