

CLASSIFICATION SPECIFICATION

FLSA:	EXP	Job Code:	ACV34111
Job Class Code:	270	Salary Schedule:	ASRRTRANS
EEO Category:	01	Grade:	23
Workers Comp Code:	8601		

Job Code Established:	11/22/93	Effective Date:	11/22/93
Job Code Revised:		Effective Date:	

JOB CODE SERIES: Transportation Series

JOB CODE TITLE: TRANSPORTATION ENGINEER II

HRIS TITLE: TR ENGR II

CHARACTERISTICS OF THE CLASS: Works under the direction of a Service Manager, District Engineer or Transportation Engineer III within established policies and procedures. Exercises considerable and significant independent judgment. Approves or disapproves work related to specific area of assignment; prioritizes assigned tasks as required for area assignment. Manages, through non-professional level subordinate supervisors/professional level team leaders, work involving engineering analysis, highway or structures design, traffic engineering, maintenance, construction, or traffic engineering, which may include supervision of administrative units or function; OR acts as one of a small number of technical staff experts engaged in professional engineering consultative work requiring possession of special knowledge and application of advanced engineering practices and procedures, advising management and field staff on the most difficult, complex and technically demanding engineering assignments, and representing the agency before the public and other agencies, consultants, and contractors. Work product consists of produces a variety of engineering solutions and/or studies; completed complex project plans and specifications; completed construction projects; properly maintained highway systems; engineering materials, reports and documents. Schedules and assigns work activities to subordinate staff; develops detailed technical solutions, studies, documents and reports; timely and accurate completion of assigned projects.

EXAMPLES OF DUTIES: Directs, instructs, and counsels subordinate personnel, as required. Reviews work products from subordinates, consultants, or other personnel providing technical direction and guidance. Calculates land areas, earth work, horizontal and vertical alignments, materials quantities and other quantitative measurements, using geometric and trigonometric computations. Examines and verifies complex numeric data, construction plans and specification. Confers with construction and other construction related personnel and designers regarding construction specification, plans, and standards. Confers with representatives of other agencies, communities, consultants, contractors and the public as the representative of the department. Performs preventative maintenance inspections on highway structures giving special attention to points of stress, fatigue, and loading. Writes detailed technical reports, agreements, research, investigation, or inquiry in prescribed format.

Reviews, analyzes, and evaluates results of technically difficult tests relating to structures, construction, and design. Attends supervisory or work system related meetings; gives and receives information; participates in problem solving and decision making. Attends professional work seminars, meetings, conferences as a participant and representative of the department. Searches plans, maps records, technical journals for information regarding current professional practices and procedures. Testifies in court or informal hearings as an expert witness. Analyzes, evaluates and reviews work procedures, methods and rules to make and develop work related practices. Gives and receives information requiring considerable judgment and knowledge regarding current and specific business practices. Confers with supervisors to discuss work processes, incidents, problems and plans. Pursues self improvement training to other professional development. Reads and interprets federal, state and local codes and regulations in order to prepare or utilize reports used in work activity. Performs related work as required.

WORK CONDITIONS: Depending on work location and assignment, may be required to work full-time outside, thus exposed to cold and heat; considerable travel away from home base may be required.

KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of: Principles and practices of civil engineering as applied to design, development, construction and maintenance of the state highway system; Federal and State statutes, agency standards, regulations, policies and procedures pertaining to area of assignment; safety practices and of public relations practices; methods, procedures and techniques utilized in management of assigned resources; computer applications that pertain to area of assignment; research techniques related to highly complex assignments.

Skill/Ability to: Work management and leadership; interpreting and analyzing a wide range of highly technical engineering data; oral and written communications; writing technical reports pertaining to assignment; interpersonal relations, as applied to contacts with subordinate personnel, other governmental agencies, contractors, consultants, and the public; developing and implementing appropriate standards, procedures and priorities related to area of assignment.

SPECIAL SELECTION FACTOR:

Required at time of appointment: Registration in the State of Arizona as a Professional Engineer in a field appropriate to the assignment OR proof of eligibility for reciprocity.