

## CLASSIFICATION SPECIFICATION

<b>FLSA:</b>	<b>NEXP</b>	<b>Job Code:</b>	<b>ACV97368</b>
<b>Job Class Code:</b>	<b>270</b>	<b>Salary Schedule:</b>	<b>ANONREG</b>
<b>EEO Category:</b>	<b>03</b>	<b>Grade:</b>	<b>S7</b>
<b>Workers Comp Code:</b>	<b>8601</b>		

<b>Job Code Established:</b>	<b>01/01/00</b>	<b>Effective Date:</b>	
<b>Job Code Revised:</b>		<b>Effective Date:</b>	

**JOB CODE SERIES:** Transportation Series

**JOB CODE TITLE:** TRANSPORTATION ENGINEERING TECHNICIAN III

**HRIS TITLE:** TR ENGRG TECH III

**WORK DESCRIPTION:** Performs a variety of the more complex engineering analysis functions within a specialized area of assignment; reviews and evaluates a variety of technical engineering data; may provide technical advice and assistance to lower level staff; may supervise a work unit.

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

Checks and verifies completeness and accuracy of scheduling estimates made concerning highway design projects, prior to programming for computer use.

Calculates horizontal alignment of roadway for highway construction from preliminary survey data; layouts for drafting.

Calculates vertical alignment (grade line) or roadway for highway construction, from preliminary survey data; plots and connects points of intersection to construct original group and construction profiles.

Calculates land areas, earth forms, circular curves, material quantities, and other quantitative measurements using geometric and trigonometric computations.

Reviews material sites and material exploration procedures.

Inspects and examines engineering project records, field notes, computations, and other documentation to assure that methods of measurement and bases for payment are in accordance with projected trends, specifications, special projects, and extra work orders.

Estimates costs of future construction projects in the planning phase, based on calculations from available data.

Considers, develops, and writes work schedule for a construction project that provides for a coordination of the work of a number of contractors.

Reviews construction plans and verifies that these are in accordance with designated specifications and other requirements.

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

Performs related work as required.

**WORK CONDITIONS:** Occasional travel required.

**SUPERVISION:** Works under the direction of a Transportation Engineer-Team Leader and exercises independent judgment within established program parameters.

**WORK RESULTS/PRODUCTS:** Completed work projects, complete, updated engineering records and reports.

**RESPONSIBILITY:** Accuracy and completeness of all projects assigned; schedules and prioritizes work assignments within established time frames

**AUTHORITY:** None.

**KNOWLEDGE, SKILLS AND ABILITIES**

**Knowledge of:** methods, procedures, and techniques used in reading and interpreting a variety of engineering data; computer data, coding, input, and output procedures; Federal and State statutes and agency standards, policies, and procedures applicable to the area of assignment; principles and practices of civil engineering, as applied to the area of assignment.

**Skill/Ability to:** analyze and evaluate a variety of technical engineering data; oral and written communication; interpersonal relations, as applied to contacts with other agency staff, contractors, and representatives of other governmental agencies; reading and interpreting a variety of technical engineering reports.