

 <p>STATE OF INDIANA CLASSIFICATION SPECIFICATION</p>	Class Title: Conservation Engineer 2		Class Code: 001DX2
	FLSA Status: Exempt	Salary Schedule: RDS	Effective Date: 6-27-13
	Summary: Incumbent functions as a design engineer within Department of Natural Resources (DNR).		

Duties:

- Prepares plans, specifications and cost estimates for current and future department projects and obtains required regulatory approvals;
- Reviews plans, specifications and studies for department projects prepared by private consulting firms and reviews submittals from contractors and suppliers during construction;
- Negotiates utility connection agreements with both public and private utilities;
- Coordinates projects for which architectural or engineering firms have been retained and reviews requests for payments;
- Reviews and analyzes monitoring reports and test results from various department facilities;
- Provides technical assistance and review in engineering projects;
- Provides consultation and assistance to landholding divisions of DNR on operational problems;
- Monitors changes in state and federal environmental laws and regulations and advises on compliance;
- Recommends solutions to complex problems;
- Performs related duties as required.

Job Requirements:

- Knowledge and skill typically acquired through a Baccalaureate degree plus related work experience;
- Thorough knowledge of engineering principles and practices;
- Thorough knowledge of all legal requirements, both by laws and regulations;
- Thorough knowledge of biology, chemistry and hydraulics;
- Working knowledge of current construction practices;
- Effectively communicate both orally and in writing;
- Ability to analyze a situation or problem and determine the most reliable and cost effective solution;
- Ability to establish and maintain professional working relationships with consulting engineers, governmental representatives and contractors.

Difficulty of Work:

Incumbent follows a variety of generally accepted, though complex, scientific principles of engineering and related disciplines, as well as administrative guidelines in performing job duties. Considerable judgment is required in applying these principles and guidelines to often unique and specialized problems with many variables. Incumbent must formulate effective and economical solutions to operational problems based on data which may be fragmented, incorrect or non-existent. Solutions involve extensive background research and considerable knowledge in assigned specialized area.

Responsibility:

Incumbent is the engineering technical expert. Unusual problems may be discussed with supervisor at incumbent's discretion. Incumbent must make critical decisions which may involve matters of public health and budgetary constraints. Work is performed independently. Work is reviewed upon completion.

Personal Work Relationships:

Interactions are with other agency and governmental employees to discuss projects and assure that designs meet regulatory requirements. Contacts also include public officials, vendors, consulting engineers and contractors.