OHIO DEPARTMENT OF TRANSPORTATION - TRANSPORTATION CIVIL ENGINEER (VIA WAYUP)

Posting ID: EM17502158

Company: Ohio Department of Transportation

Position Type: Full-Time

College Major(s): Civil Engineering (CEE)

Company Website: http://www.dot.state.oh.us/pages/home.aspx

Work Location: Columbus, OH

Salary:

College Level(s): Undergraduate-Senior, Graduate

OVERVIEW

The Ohio Department of Transportation is responsible for protecting the enormous investment the people of Ohio have made in their transportation system through the decades; we will improve and enhance that system. Our mission is to provide easy movement of people and goods from place to place, we will: take care of what we have; make our system work better; improve safety; and enhance capacity.

Roles and Responsibilities

The employee works for a Registered Professional Engineer to assist in the completion of various projects. Assignment to District or Central Office location is made by Transportation Civil Engineer (TCE) Office. Individual project assignments will be made by a licensed engineer in assigned District or Central Office location. An evaluation report is completed by a licensed engineer upon completion of each assignment, denoting employee performance. Completed evaluation reports are submitted to Central Office for inclusion in the final performance evaluation, which will be completed by the TCE Coordinator.

Over a period of 12 months, TCEs participate in a work-based training program (i.e., receive on-the-job training) intended to provide a comprehensive experience of engineering functions within the Ohio Department of Transportation (ODOT). TCEs participate in projects/assignments in each of the following work units on a rotational basis: Construction, Highway Management & Planning & Engineering.

Participants will facilitate operational efficiency in each of these work units by representing ODOT as a liaison (e.g., relaying project information between &/or to departmental offices, engineers, inspectors, contractors), developing professional, productive internal & external customer service relationships & evaluating the impact of decision(s) on project scope, coworkers, contractors, public safety, public image of agency, etc. The employee will perform miscellaneous administrative tasks as required.
In Central Office, Office of Structural Engineering, under the general supervision of a licensed Professional Engineer:

- Assists in standard maintenance projects by performing calculations for bridge design & to update specifications & plans for standard projects;
- Performs bridge load rating analysis of new & existing bridges & culverts for the Statewide Bridge Rating Program;
- Reviews the bridge & culvert load analysis work of other engineers & consultants (e.g., load rating reports) & provides comments;
- Provides help & support on proper use of manuals, guides & computer programs used for rating bridges for safe load carrying capacity.
- Gathers information in order to assist in the development of policies & procedures for the rating of bridges.
- Checks analysis calculations & reviews all computer bridge rating documents using a computer & related software (e.g., Microsoft Office).
- Collects & maintains relevant data history for bridges & culverts.
- Prepares reports for supervisor on various bridge & culvert load rating applications using a computer & related software (e.g., Microsoft Office).
- Assists with conducting seminars & trainings on bridge rating.

Under the general supervision of a Professional Engineer:

- Performs bridge analysis of overload permit applications using computer & related software (e.g., OHPASS);
- Reviews the analysis results & makes recommendations to the Office of Special Hauling Permits of the safe travel of overload vehicles (e.g., Superloads) on Ohio bridges.
- Collects bridge data & performs studies of possible damages associated with movement of overloaded vehicles. Interprets plans to minimize chances of accident, conflict & delay.
- Performs other duties as assigned by higher authority (e.g., attends training & technical & professional meetings to keep informed of new policies & requirements, participates in additional data collection & research activities, meets & works with other technical personnel within & outside ODOT).

**Education and Qualifications**

Bachelor’s degree in Civil Engineering and accepted for Basic Fundamentals of Engineering Examination (EIT exam) by the Ohio Board of Registration for Professional Engineers & Surveyors.

**How to Apply**