

Internship ID# SM16PDM

NEW JERSEY DEPARTMENT OF TRANSPORTATION

INTERNSHIP OPPORTUNITY

Internship/Semester: Summer 2016

Internship Type: Non-Paid

Intern Level: Undergraduate

Suggested Background and/or Knowledge

Enrolled in Civil Engineering program, with background in pavement design preferred. Ability to analyze and enter engineering information related to pavement design in Microsoft Access.

NJDOT Division/Unit/Program Area Offering the Internship

Division of Capital Program Management/Pavement and Drainage Management

Description of the NJDOT Division/Unit/Program Area Offering the Internship

The Pavement and Drainage Management Unit manages pavement and drainage assets for roadways owned and maintained by NJDOT. The unit provides pavement design recommendations for all in-house design projects, reviews and approves pavement designs for consultant design projects, and develops specifications and requirements controlling pavement ride quality construction acceptance testing.

Internship Location

NJDOT Headquarters
1035 Parkway Avenue
Trenton, NJ 08625

Internship Project Description

The unit has developed a data base for monitoring pavement design information in order to evaluate the performance of material or asphalt mixes used on the various NJDOT pavement projects. The intern will primarily work on the verification of the engineering information in the data base, through the review of pavement design memos developed by designers and/or pavement evaluation reports of consultants. Intern will correct, delete and/or reenter data based on his/her review of documents and research.

Estimated Project Duration and Suggested Weekly Work Schedule

Negotiable, with minimum 20 hours per week

Internship Learning Objectives/Marketable Skills

Intern will be reviewing and understanding pavement design developed by the pavement designer, extracting required design information from the design memo and/or pavement evaluation report prepared by the pavement consultant, and entering accurate engineering information in a database. Intern will have opportunity to understand the NJDOT pavement design process as well as pavement management database.