

**Internship ID# SM14CPMPAVEMENT**

**NEW JERSEY DEPARTMENT OF TRANSPORTATION**

**INTERNSHIP OPPORTUNITY**

**Internship/Semester:** Summer

**Internship Type:** Non-Credit

**Intern Level:** Undergraduate

**Suggested Background and/or Knowledge:**

Strong computer skills, analytical, engineering oriented

**NJDOT Division/Unit/Program Area Offering the Internship:**

Capital Program Management-Bridge Engineering and Infrastructure Management - Pavement Management

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

This unit collects, analyzes and reports pavement condition data annually for the state maintained highway network.

**Internship Location:**

NJ DOT Headquarters  
1035 Parkway Avenue  
Trenton, New Jersey

**Internship Project Description:**

Extract data from old pavement management database, process data files, remove unneeded fields, and prepare input files for the new software. Perform quality control for data in the new database, process data from new profiler subsystem and assist with the development of new user manuals.

**Estimated Project Duration and Suggested Weekly Work Schedule:**

4 months for 20 hours/week (negotiable)

**Internship Learning Objectives/Marketable Skills:**

Become familiar with Pavement Management principles, practices, technology and software

**Intern will be trained in the following area(s):**

- Learn to optimize network pavement conditions through implementation of a strategy of pavement activities utilizing cost effective treatments.
- Learn to prioritize pavement maintenance projects.
- Learn about the condition of NJ's pavement assets
- Learn to develop plans for maintaining the pavement network
- Learn to collect pavement condition data
- Learn to maintain the Pavement Management System
- Learn about ride quality inspections on newly constructed pavements