MDOT PROGRAMS
Transportation Aide (Co-Op): A statewide program for college students interested in civil engineering or technology. Civil engineers and technicians provide on-the-job training to students on various duties.
For more information, contact:
MDOT Co-op Coordinator at 517-335-2260 or by e-mail at mdot-coop@michigan.gov.
Website: www.michigan.gov/mdotcoop

MICHIGAN COLLEGES/UNIVERSITIES
Calvin College
Lawrence Technological University
Michigan State University
Michigan Technological University
University of Detroit Mercy
University of Michigan
Wayne State University
Western Michigan University

HELPFUL INFORMATION
It is suggested that you complete the following high school classes:
Mathematics: algebra, geometry, and trigonometry
Sciences: physics, chemistry, biology, and any other general science courses
Communications courses

If you would like more information or need this information in an alternative format, contact:
Michigan Department of Transportation
Office of Human Resources
425 W. Ottawa
Lansing, MI 48909
517-373-1533
www.michigan.gov/mdot

A CAREER AS A Transportation Engineer
WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION
AN EQUAL OPPORTUNITY EMPLOYER

MDOT
Michigan Department of Transportation
MDOT: Providing the highest quality integrated transportation services for economic benefit and improved quality of life.

Designed by MDOT Graphic Design & Mapping Unit
OFFICES/HUMAN RESOURCES/CareerBrochures/Engineer CJ 6/17
**Bridge and Road Design Engineer:**
Design and prepare plans for highways, bridges, drainage structures, municipal utilities, roadway lighting, and miscellaneous highway facilities. Prepare detailed cost estimates (includes materials, quantity, and amount).

**Construction Engineer:**
Coordinate construction projects with contractors, consultants, and utility companies. Discuss plans and specifications. Attend construction meetings and review requests for changes and adjustments to contracts.

**Operations Engineer:**
Coordinate and oversee maintenance activities on department roads. Monitor expenditures and budgets associated with maintenance costs. Participate in studies to determine sufficiency of existing highway systems and structures. Develop traffic plans for construction and maintenance projects that minimize the impact on traffic. Analyze traffic problems and recommend methods to improve traffic flow and safety.

**Utilities and Permits Engineer:**
Coordinate utility relocations for department projects and review and/or approve construction permit applications for work performed on department property (i.e., highways, roads, or bridges).

**Working Conditions**
Some jobs require employees to work outdoors as well as in an office or laboratory setting.

**Physical Requirements**
Sit and/or work at a computer for long periods of time, and traverse rough terrain.

**Education**
Bachelor of Science in civil engineering or in civil and environmental engineering.

**Salary**
Refer to the State of Michigan website at [www.michigan.gov/mdcs](http://www.michigan.gov/mdcs) and click on Compensation Plan in the MCSC Quick Links section.