

## 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](mailto:mdot-coop@michigan.gov).  
Website: [www.michigan.gov/mdotcoop](http://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](http://www.michigan.gov/mdot)



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

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## A CAREER AS A Transportation Engineer

WITH THE  
MICHIGAN DEPARTMENT  
OF TRANSPORTATION  
AN EQUAL OPPORTUNITY EMPLOYER



## JOB DUTIES

### 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:

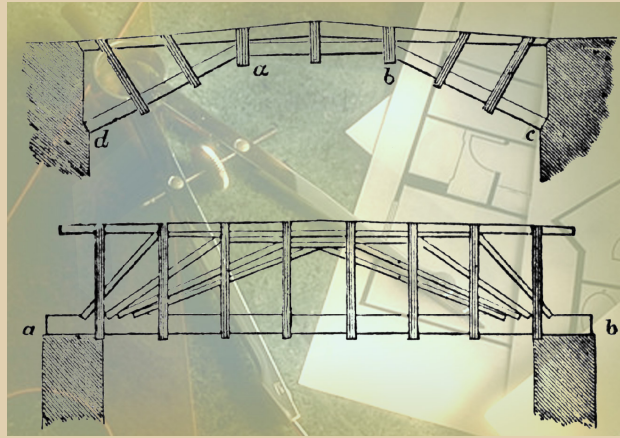
Coordinate construction projects with contractors, consultants, and utility companies. Discuss plans and specifications. Attend construction meetings and review requests for changes and adjustments to contracts.

### 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.