

## **What is the TRAC Program?**

Since 2004, MDOT has been offering the American Association of State Highway Transportation Officials (AASHTO) TRAC (Transportation and Civil Engineering) Program to schools in Michigan. TRAC is a hands-on education program designed for integration into science, math and social science classes. The TRAC program engages high school and middle school students in solving real-world problems, such as designing bridges, building magnetic-levitation trains, or analyzing the environmental and economic effects of building a highway.

This program is free to schools. MDOT will provide training to teachers and engineer volunteers. These volunteers will speak about their careers in transportation and work with the students using the modules in the classrooms. Each teacher can decide which module will fit into their curriculum. By bringing transportation professionals to the classroom, TRAC connects kids to the work world and inspires them to consider careers in transportation and civil engineering.

This program also offers scholarships and internships, to students in high school and graduating high school. To be eligible for the internship students:

- Must be at least 17 years old
- Must be a high school senior
- Must have attended a class in which a TRAC module was used
- Must pass a pre-employment drug test

- Must interview at an MDOT office
- Must be available to work full-time for the entire 7 weeks
- Must provide own transportation
- Must show strong skills in math and science

Some activities within the internship include:

- Bridge inspections
- Perform micro-simulations
- Aggregate lab testing
- Design a parking lot project
- Read and interpret construction plans
- Learn to use satellite and GPS equipment just to name a few

And much more!

### **Additional Information**

General Information

[http://www.michigan.gov/mdot/0,1607,7-151-9623\\_38029\\_38059\\_41397---,00.html](http://www.michigan.gov/mdot/0,1607,7-151-9623_38029_38059_41397---,00.html)

Internship Information

[http://www.michigan.gov/mdot/0,1607,7-151-9623\\_38029\\_57100---,00.html](http://www.michigan.gov/mdot/0,1607,7-151-9623_38029_57100---,00.html)

