



Teams to be judged by:
Executive-level Engineers!

Teams will be judged on:

- POWERPOINT PRESENTATION
- SPECIFICATION MEASUREMENTS
- WEIGHT OF STRUCTURE LOAD TESTING FOR STRENGTH-TO-WEIGHT RATIO



TRAC

Transportation and Civil Engineering (TRAC) Program

MDOT is interested in employees with math and science skills for employment as civil engineers and transportation specialists. The TRAC program provides hands-on tools for classrooms, building interest in math and science. TRAC provides these benefits for teachers and students:

- Free hands-on materials for math, science, and civics
- Free interactive software
- Free training
- Free replacement supplies
- CEU credits for teachers
- Activities aligned to Michigan educational standards
- Engineer visits for career presentations
- Assistance using the software/modules
- Michigan bridge building contests
- Pave a pathway for higher education via internships with possible opportunities for civil engineering scholarships
- Put your engineering, design, and building skills to the test, solving hands-on challenges
- Gain experience with teamwork, problem solving, budgeting, research, and presentation skills

For more information,
contact Jan Pohl at 517-373-9571
or go to MDOT's Web site at:
www.michigan.gov/mdot-trac



Governor Jennifer M. Granholm



Director Kirk T. Steudle, P.E.
Chief Deputy Director Jacqueline G. Shinn

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TRAC

TRANSPORTATION AND CIVIL ENGINEERING

3rd ANNUAL MICHIGAN

DESIGN & BUILD BRIDGE CHALLENGE!





BRIDGE CHALLENGE!

YOU ...

DO THE WORK AND HAVE FUN

MDOT ...

HELPS PAVE THE WAY

***MILEAGE REIMBURSEMENT
*OVERNIGHT ACCOMMODATIONS**

ARE ON US!!!

HOW:

Register teams of three students by Nov. 24, 2010.

Receive your kit within 14 days of receipt of your completed registration form.

(contains materials to build your bridge)

Send in a complete bridge proposal! *(postmarked on or before February 4, 2011)*

Have fun!

(you have until mid March to finish building your bridge - take photos along the way).

Come to Lansing, on us!

(compete - give a 10-minute presentation to engineers and test your bridge).



WHAT: Statewide Design & Build Bridge Challenge

WHEN: March 24, 2011

WHERE: The Lansing Center
LANSING, MICHIGAN*

**WHO: 7TH - 8TH GRADERS:
BUILD A DRAWBRIDGE**

**9TH - 10TH GRADERS:
BUILD A FLOATING BRIDGE**

**11TH - 12TH GRADERS:
BUILD A SUSPENSION BRIDGE**



Teams who submit **COMPLETE PROPOSALS** will be invited to compete in the Michigan Design and Build Bridge Challenge in Lansing on March 24, 2011.

Complete proposal requirements are outlined in the Bridge Challenge Competition Rules.

WIN: GIFT CARDS/PRIZES

1ST
PLACE TEAMS
\$600

2ND
PLACE TEAMS
\$375

3RD
PLACE TEAMS
\$225

4TH
PLACE TEAMS
\$150

***FOR MORE INFORMATION & COMPETITION RULES,
LOG ON TO: WWW.MICHIGAN.GOV/MDOT-TRAC**