About the fair

Planned by a committee of professionals in transportation and education, this fair introduces students to the range of exciting career opportunities related to road planning, design, construction, and maintenance. The fair will include:

- Student-focused sessions on a wide variety of transportation-related activities regularly performed by people in this career field
- Informational and interactive booths from Iowa colleges and universities, transportation associations, and companies
- Flowcharts showing the educational paths for technical and professional careers in transportation and salary ranges
- Separate tracks for students interested in computer applications, working outdoors, and working with equipment

Who should attend?

9th–12th grade students who are interested in any of the following:
- math
- science
- computers
- landscape architecture
- art
- working with people
- working outdoors
- heavy machinery

At least one adult from each school must accompany the students. This person may be a teacher, counselor, or parent.

Questions?

Contact career fair coordinator Debbie Witt, dwitt@iastate.edu, 515-294-8958.
Moving Toward Your Future: Careers in Transportation

Agenda, Wednesday, February 25

8:30–9:00 a.m.   Pick up information packets
9:00–9:15        Welcome
9:15–9:50        Keynote address: “Iowa Community Growth and Demands on Transportation”
10:00–10:30      Session 1: Planning
10:35–11:05      Session 2: Design
11:10–12:15 p.m. Session 3: Construction/Lunch/Visit booths (half the students will be in session while the other half has lunch and visits booths)
12:20–12:50      Session 4: Maintenance and operations
12:50–1:00       Evaluations of fair, door prize giveaway
1:00             Board vehicles

Breakout sessions

Students will attend one presentation during each session:

Session 1: Planning
A. GIS and traffic modeling
B. Protecting the environment, historic sites, endangered species
C. Planning equipment needs for a construction project
D. Getting the public involved from the get-go

Session 2: Design
A. Buildable design, 3D imaging
B. Preliminary plans, staking, soil classification
C. Mobilizing equipment and materials for the Iowa River bridge over US 20
D. Architectural details on Interstate 235

Session 3: Construction
A. Using technology in construction
B. How a road gets built
C. Trucks and other big equipment and how they work together
D. Keeping traffic moving safely: work zones and traffic control

Session 4: Maintenance and operations
A. Automated snow and ice control
B. City public works: people serving people
C. Road kill clean up, brush control, roadside management
D. Art in Iowa rest areas/welcome centers
Teacher/Chaperone registration form

Moving Toward Your Future: Careers in Transportation
February 25, 2004
Scheman Building, Iowa State Center, Ames, Iowa

School: __________________________________________________________
Contact person: ____________________________________________________
Phone: ___________________________________________________________
Fax: _____________________________________________________________
E-mail: ___________________________________________________________
Local newspaper: __________________________________________________

Reimbursement for mileage will be provided first come first served. Will your school be requesting this reimbursement?
_____ Yes If yes, approximate number of roundtrip miles _____.
_____ No

Student registration form

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Name: ___________________________________________________________
Address: _________________________________________________________
City: ___________________ State: ________ Zip: _____________________
School: __________________________________________________________

Please rank the following topics from highest level of interest (1) to lowest (4). Are you most interested in attending sessions that deal with
_____ (A) technology and computer applications
_____ (B) working outdoors
_____ (C) using and maintaining big equipment
_____ (D) all sorts of things from architecture in transportation to traffic safety

The information requested below is optional and will only be used for reporting and planning purposes.
Grade level: ________ Age: ____ Gender: Male / Female (circle one)
Race/ethnicity: (check all that apply)
_____ African American
_____ Asian
_____ Hispanic
_____ Native American/American Indian
_____ White (not Hispanic)
_____ Other: ___________________ (please specify)
Sponsors
Several public and private agencies are sponsoring this event:
• Associated General Contractors
• Asphalt Paving Association of Iowa
• CH2M Hill
• Des Moines Area Community College
• Federal Highway Administration
• Geotechnical Services, Inc.
• Howard R. Green Company
• Iowa Chapter, American Public Works Association
• Iowa Department of Transportation
• Land Surveying Society of Iowa
• Local Technical Assistance Program at the Center for Transportation Research and Education
• Martin Marietta
• Midwest Transportation Consortium (Iowa State University)

Planning committee
Roxanne Kuicharski, North High School, Des Moines; Jerry Roche and Jan Thompson, Federal Highway Administration; Jeri Sanburn, Harbor Alternative High School, Southeast Polk; John Holzwarth, CH2M Hill; Gerry Ambroson and Christie Anderson, Iowa Department of Transportation; Mindy Carmichael, IACT; Renee White, Des Moines Area Community College; Jon Rees, Transportation Student Association, Iowa State University; Duane Smith, Debbie Witt, Michele Regenold, and David Plazak, Center for Transportation Research and Education at Iowa State University

Location
Moving Toward Your Future: Careers in Transportation will be held at the Scheman building, Iowa State Center, Ames, Iowa.
(This map is not to scale.)