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## Note from the editor

As you may have noticed, *CTRE en route* has a new design. We also shortened it to two pages. We'll still keep you updated on CTRE news, but we wanted to put more focus on *MTC Asset*, the newsletter that is published with *CTRE en route*.

*CTRE en route* highlights transportation research, education, and outreach at the Center for Transportation Research and Education at Iowa State University.

It is published online at <http://www.ctre.iastate.edu/>



Center for Transportation Research and Education

## Howard R. Green Company sponsors graduate assistantship

Beginning this calendar year, the engineering consulting firm Howard R. Green Company is sponsoring an annually renewable research assistantship to a graduate student in transportation at Iowa State University (ISU). Students holding this assistantship will be known as "Green Scholars."

Tom Maze, head of Transportation Services for Howard R. Green Company and CTRE's former director, encouraged his firm to make the gift. He said, "We wished to encourage the development of additional human capital in the field of transportation."

A student will be selected in the coming months. He

or she will work on a transportation-related research project at CTRE.

Selection criteria for the assistantship include

- United States citizenship
- acceptance by ISU for graduate study in either civil engineering (with an emphasis on transportation) or the interdisciplinary transportation master's degree program
- academic merit demonstrated by a cumulative undergraduate grade point average of at least 3.0 on a 4.0 scale, GRE scores, work and academic references, and examples of past work

This assistantship will be matched 50/50 by funds from the Midwest Transportation Consortium (MTC). The MTC is the USDOT University Transportation Center for Iowa, Kansas, Missouri, and Nebraska and is administered by CTRE.



CTRE Director Steve Andrie (left) accepts a check from Howard R. Green Company President Ralph Russell.

## National award for research

The Midwest States Smart Work Zone Deployment Initiative (MwSWZDI) won a 2001 National Highway Safety Award in the Operational Improvements program category. Sponsored by the Federal Highway Administration (FHWA) and the Roadway Safety Foundation, the competition recognizes outstanding highway safety achievements.

The MwSWZDI is a pooled-fund study created by the state departments of transportation in Iowa, Kansas, Missouri, and Nebraska along with support from the FHWA and the Mid-America Transportation Center at the University of Nebraska-Lincoln. The project, launched in 1999, deploys and evaluates technologies used to enhance work zone safety and traffic control.

University transportation researchers, including CTRE's Ali Kamyab, evaluated 26 technologies during the first two years of the project. For more information about the project, see [www.matc.unl.edu/research/MwSWZDI/](http://www.matc.unl.edu/research/MwSWZDI/).

## New staff



Brent Phares

Brent Phares joined CTRE's staff last fall as a bridge engineer. He's working closely with

Terry Wipf in the Bridge Engineering Center where he serves as the associate manager. Brent is a three-time Iowa State University alumnus with bachelor's, master's, and doctoral degrees in civil engineering.

After completing his PhD in 1998, he was an engineer with Wiss, Janney, Elstner Associates, Inc., in Washington, D.C., where he worked on projects related to validating non-destructive evaluation (NDE) technologies for use on highway bridges for the Federal Highway Administration's NDE Validation Center.

At CTRE he is evaluating innovative bridge materials and construction techniques and, using physical testing, a bridge load rating system. He's also developing rational live-load deflection criteria for timber bridge decks and superstructures.

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