

## Stanley L. Ring Memorial Library: New acquisitions

Note: A few videos are available in both VHS and DVD format. New videos will generally be in DVD format.

### Publications

#### P 1685 Local Roads Maintenance Workers' Manual

This manual describes best roadway maintenance practices for Iowa's local roads and streets. See the cover story in this issue of *Technology News*.

### Videos

#### V743 Fabrication of Epoxy-Coated Rebar

This video outlines recommended practices for fabrication of epoxy-coated rebar: receiving material at the plant, storing, fabricating, shearing, bending, and handling.

#### V744 Field Handling Techniques for Epoxy-Coated Rebar at the Job Site

This video covers receipt of material, inspection, unloading, job-site handling, and storage. It also covers placement, use of supports and tie wires, lap and mechanical splicing, final inspection, and directions for repairing damaged epoxy coating.

#### V745 Field Inspection of Reinforcing Bars

This video provides an overview of the placement of reinforcing bars. Topics include criteria and code governing construction, bar size and grade markings, mill test reports, fabrication, placement, concrete covering tolerances, and splicing.

#### V746 Ice Age: Fighting the War on Meth

#### V747 Ice Age II: Lessons Learned from Bay County, Florida

Each of these one-hour training documentaries offers a unique perspective on the methamphetamine epidemic. The first focuses on identifying and safely handling the chemicals and equipment that identify a clandestine meth lab. The second uses personal accounts to describe how the illegal manufacturing, use, abuse, and trafficking of methamphetamine wreaked havoc in this quiet county in Florida's panhandle.

### Order LTAP library materials in three ways:

- Order online, [www.ctre.iastate.edu/library/search.cfm](http://www.ctre.iastate.edu/library/search.cfm).
- Contact Jim Hogan, library coordinator, 515-294-9481, [hoganj@iastate.edu](mailto:hoganj@iastate.edu), fax 515-294-0467.
- Mail or fax the order form on the back cover of *Technology News*.

### CD-ROMs

#### CR81 Epoxy Coated Reinforcement

This CD-ROM contains guidebooks, videos, research projects, and other materials covering specifications, field handling techniques, fabrication, and CRSIO's Epoxy Coating Plant Certification Program.

#### CR82 System Security Awareness for Transportation Employees

This CD-ROM provides employees, supervisors, and managers with practical knowledge that will help them carry out their responsibilities concerning operational and infrastructure security. The suggested practices enhance overall crime prevention efforts.

### DVDs

#### DVD53 Melting the Ice

In this one-hour program, law-enforcement officials discuss the dangerous realities of fighting a "homegrown" drug.

## CTRE houses new weather research center

The National Academy of Sciences estimates as many as 7,000 deaths per year are associated with weather-related traffic accidents. Weather-related crashes in Iowa annually add up to more than \$240 million in economic losses.

The new Center for Weather Impacts on Mobility and Safety (C-WIMS) at CTRE provides an opportunity to positively impact Iowans and Iowa's economy by reducing the economic and human losses due to weather-related crashes.

C-WIMS is led by Tom Maze, transportation engineer at CTRE and professor of civil and construction engineering at ISU. Gene Takle, an ISU professor of geological and atmospheric sciences and agronomy, serves on the center's executive committee.

The five-year federal transportation bill signed by President Bush in August 2005 includes \$5 million per year for weather-related research. Iowa State is a natural for that kind of research. Because of its agriculture programs, the university has expertise in the science of weather and its impacts at ground level.

Beyond Iowa and the Midwest, the recent disasters that resulted from hurricanes Katrina and Rita have highlighted the need to better understand weather's impact on transportation.

For information about this new program, see [www.ctre.iastate.edu/cwims/](http://www.ctre.iastate.edu/cwims/)



Center for Weather Impacts  
on Mobility and Safety