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| 3 | Pre-season winter maintenance checklist for fleet supervisors     | 9  | Multidisciplinary teams implement safety initiatives that work |
| 4 | Making snow plows visible   | 11 | 2002 “roadeo” winners  |
| 5 | Complying with Phase II storm water regulations by March 10, 2003 | 11 | “Better Mousetrap” winners for 2002                            |
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### Acronyms in this issue

AASHTO	American Association of State Highway and Transportation Officials	Iowa DOT	Iowa Department of Transportation
CTRE	Center for Transportation Research and Education	ISU	Iowa State University
FHWA	Federal Highway Administration	LTAP	Local Technical Assistance Program
		MUTCD	Manual on Uniform Traffic Control Devices

## Anti-ice bar installs easily

*Editor's note: The “anti-ice bar” is one of several winning innovations from the “Better Mousetrap” competition at the Iowa Maintenance Training Expo in September 2002. (See page 10 for a complete list of winners.) In each issue of Technology News we will highlight one of the winners. For information about previous winning “mousetraps,” see CTRE’s website: [www.ctre.iastate.edu/](http://www.ctre.iastate.edu/) (“Popular Links”).*

THE IOWA DOT maintenance crew in Dyersville wanted to save time during their anti-icing operations. They also wanted to better utilize the side tanks on their trucks when the slip-in anti-icers were not installed. So they built a device that one person can install in a few minutes—an anti-ice bar.

The anti-ice bar is a combination of tubing and spray nozzles attached to a metal frame, which mounts onto the rear of the sand box. The unit slides into a channel bar on each side and is held in place by pins inserted on each side of the bar.

Materials include

- 4' long 2" square tubing
- 3' long 1/4" x 4" flat plate
- 2' long 1/2" cold roll
- 4' long 1 1/4" hose

Stripping a truck to get it ready to haul material such as sand or salt takes about 30 minutes, compared to an hour or more for a truck equipped with slip-in anti-icers.

For more information about the anti-ice bar, contact Steve Benda, 563-875-7615. •

An anti-ice bar built by the Iowa DOT maintenance crew in Dyersville.

