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.

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