



Stan Ring,
LTAP library coordinator

Library news

THE LOCAL TECHNICAL ASSISTANCE PROGRAM (LTAP) library at the Center for Transportation Research and Education has some great new videos, a few of which are described below. You can borrow these or other library materials any of three ways:

- Order online at www.ctre.iastate.edu/Outreach/ltap/library/search.cfm.
- Use the order form of the back of this newsletter.
- Contact Stan Ring, library coordinator, 515-294-9481, sring@iastate.edu.

V 628 Mini-Roundabouts: Getting Them Right—Parts I and II. This video was taped at a seminar by Clive Sawers, a British designer and expert on roundabouts. He explains the history and development of traffic circles and their evolution to roundabouts, with considerable details about the fundamentals of roundabouts operations.

V 629 I-70/Vail Road. This video is about North America's first roundabout interchange. It shows the interchange operating with little delay during peak Christmas vacation tourist traffic. It also shows how ramp and frontage road interchanges were converted, increasing capacity by over 50 percent.

V 630 Non-Conforming Traffic Circle Becomes Modern Roundabout. This video, produced for the California Department of Transportation, explains the conversion of an old 470-foot-diameter non-conforming traffic circle into a modern roundabout. It carries 5,000 vehicles per hour, has reduced accidents, and has improved operations to level of service A, making it one of the most efficient high-capacity intersections in the United States.

V 631 Snow at Roundabouts. This video shows footage in Norway before the 1994 winter Olympics with modern roundabout interchanges under deep snow.

V 632 Modern Roundabouts. This video explains the difference between modern roundabouts and nonconforming traffic circles and gives advantages of disadvantages of modern roundabouts compared to signalized cross intersections. It includes high-capacity roundabouts, mini-roundabouts, and modern roundabout interchanges.

V 633 Designing Neighborhood Streets. This video includes presentations at the International Conference on Transportation and Sustainable Communities held March 23–26, 1997.

V 625 Danger Signs. This video contains footage of the trial of sign vandals who removed a stop sign as a prank. As a result of the vandals' prank, three 18-year-old boys drove through an intersection and were struck and killed by an eight-ton truck.



Eliminating leaning sign posts

IN HIS NEW POSITION as traffic control technician with the Clinton County Highway Department, Raymond Myers uses a large truck with a hydraulic boom and auger to install signposts. Using the auger to dig a straight hole and then installing a post is easy, but compacting the soil enough to keep the post straight has been a challenge. With all the precipitation in Clinton County earlier this year, more rain and wind easily make a newly installed post

lean inside its eight-inch hole where the soil has been disturbed, even with the addition of gravel or lime.

To alleviate this problem, Myers invented a receiver for the post. Mounted to the underside of the hydraulic boom, the receiver allows him to push posts into the ground. With the soil undisturbed, posts stay straight.

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July 2000

25	Motor Grader Operator Workshop	Cherokee	Sharon Prochnow 515-294-3781, prochnow@iastate.edu
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August 2000

8	Motor Grader Operator Workshop	Mason City	Sharon Prochnow 515-294-3781, prochnow@iastate.edu
8-11	Work Zone Safety Workshops for Utilities	Sioux City	Tom McDonald 515-294-6384, tmcdonal@iastate.edu
16	DOT Flagger Training	Red Oak	Tom McDonald 515-294-6384, tmcdonal@iastate.edu
17	DOT Flagger Training	Council Bluffs	Tom McDonald 515-294-6384, tmcdonal@iastate.edu
31	GASB 34 Educational Conference	Des Moines	David Plazak 515-294-8103, dplazak@iastate.edu

September 2000

6	DOT Flagger Training	Cedar Rapids	Tom McDonald 515-294-6384, tmcdonal@iastate.edu
7	DOT Flagger Training	Cedar Rapids	Tom McDonald 515-294-6384, tmcdonal@iastate.edu
12-13	Iowa Maintenance Training Expo	Ames	Duane Smith 515-294-8103, desmith@iastate.edu
14	Snow Plow Rodeo and Motor Grader Rodeo	Ames	Duane Smith 515-294-8103, desmith@iastate.edu

October 2000

11	DOT Flagger Training	Davenport	Tom McDonald 515-294-6384, tmcdonal@iastate.edu
12	DOT Flagger Training	Peosta	Tom McDonald 515-294-6384, tmcdonal@iastate.edu
19	Iowa Secondary Road Maintenance Supervisors Association	Ames	Sharon Prochnow 515-294-3781, prochnow@iastate.edu
26-27	Iowa Traffic Control and Safety Association Annual Conference/25th Anniversary Celebration	Ames	Tom McDonald 515-294-6384, tmcdonal@iastate.edu
31-Nov 1	Iowa DOT Highway Safety Networking Conference	Council Bluffs	Tom Welch 515-239-1267



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The receiver is constructed of a piece of four-inch square tubing, six inches long, cut at the corners and flared slightly. The attaching piece is triangular and welded to a cover plate with a 1.25-inch hole to accept a bolt and nut. After installing the post into the receiver, a small hole accepts a light nail for holding the post; this allows the unit to be swung into position. The unit can swing in and out and hangs straight, making it easier to insert the post into the ground straight. If corrections need to be

made in the other direction, the swing feature of the boom can do that. The knuckle boom allows positioning of the post.

For more information about the post receiver, contact Raymond Myers, 319-659-8230. •

Ray Myers's hydraulic boom-mounted receiver for installing sign posts (perspective is from below the receiver).

