

Village uses wing plows in town

Last winter, for the first time, the Village of Waunakee used wing plows for removing snow on residential streets. Wing plows, which have long been used on rural highways, are now slowly being adopted for plowing in residential and commercial areas—with excellent results.

"We did most streets in two passes instead of three. That cut close to an hour off the time it took to finish plowing operations," says Foreman John Radermacher. The 40 miles of streets now are done in about five-and-a-half hours, he says.

Lack of money for an additional plow truck was the impetus for considering wing plows,

according to Radermacher. After checking with other municipalities about how they use wings in their operations, he decided to outfit two of the Village's four plows with wings.

Waunakee has added a fifth truck, with wing, for winter 1998-99 clearing operations. The new truck will take a regular plowing route freeing the end loader to clear cul de sacs. After routes are adjusted Radermacher expects to cut clearing even further—down to four-and-a-half hours.

For more information on Waukakee's use of wing plows contact John Radermacher at 608/849-5892



Adding wings substantially cuts residential plowing times.

Resources

Materials listed here are available from the Wisconsin T.I.C. unless otherwise noted. To get your copy call 800/442-4615 or use the form on page 7. Videotapes are loaned free through Wisconsin County Extension Offices.

Using weight limits to protect local roads (No. 8), T.I.C. Factsheet, 8 pp. New in 1998 this pamphlet introduces the why, how, when, and how long of seasonal and year round weight restrictions to protect vulnerable pavements.

How Vehicle Loads Affect Pavement Performance (No. 2), T.I.C. Factsheet, 4 pp. Explains pavement fatigue and how to evaluate the damage potential of different truck configurations.

Selection and Use of Engineers, Architects and Professional Consultants: Guidelines for Public Agencies, by James L. Martin, American Public Works Assoc., 1997, 34 pp. A readable discussion of quality-based selection which also recommends a process for retaining and managing consultants, and negotiating their contracts. Very helpful in explaining to elected officials the difference between low-bid construction contracts and quality-based selection of consultants. Includes examples of selection criteria, interview rating forms, and additional references. Limited number available.

Managing Utility Cuts (packet). A collection of materials on controlling utility cuts in public rights-of-way: 1) T.I.C. factsheet No. 17, *Managing Utility Cuts*, discusses the problems of utility cuts and presents

guidelines to help governments establish controls and procedures. It includes sample permits and specifications. 2) *Township Utility Policy*, developed by Marathon County, includes permit and location requirements, and workzone traffic control, backfill, and overhead clearance requirements. 3) *Model Right-of-Way Ordinance* developed by the Alliance of Cities and its member communities. Developed in response to the Telecommunications Act of 1996, it implements a city's authority to manage its rights-of-way and to recover its costs incurred in managing excavations within the right-of-way.

W-Beam Guardrail Repair and Maintenance, FHWA-RT-90-001, 1990, 34 pp. This guide will help highway maintenance personnel inspect, secure, maintain, and repair guardrail in a safe and cost effective manner. Includes list of tools and equipment needed for the job, tells how to plan and estimate the work, and covers work zone traffic control layouts and checklists.

New videotapes in the T.I.C. library

Tapes are loaned free through Wisconsin County Extension Offices. If you need a video catalog call 800/442-4615.

Anti-icing/Deicing

#18187, Iowa DOT, 30 min.

Review of chemicals and abrasives for snow and ice control. Special topics on snow fences, salt brine production, and use of brine for prewetting salt. Excellent guidelines on use of salt brine for anti-icing.

Intended for supervisors. The latest in a series from Iowa DOT. Others in the series:

Introduction to Winter Operations

#18172, 11 min.

Pre-Season Preparation

#18173, 30 min.

Equipment Operation

#18174, 10 min.

Plowing Techniques

#18175, 30 min.

Road Crew Safety

#18179, VISTA, 24 min.

A good introduction and reminder of road construction safety hazards and precautions. Grading and paving examples with many practical safety tips. Stresses individual responsibility and equipment safety topics.

The Importance of Road Drainage

#18180, FHWA, 19 min.

Basic overview of the importance of roadway drainage. Includes maintenance techniques for ditches, culverts, storm sewer, and drains. Inspection tips and liability issues are discussed.

Protecting Our Pavements: Preventive Maintenance #18181, FHWA, 14 min.

A national perspective on the use of preventive maintenance. Presents several state approaches and benefits to preserving pavements. Encourages consideration of these techniques at the state and local level.