

# LORAM®

BADGER DITCH CLEANER



## The Most Advanced System of Ditch Cleaning

Protect your track investment by extending its life.

A firm foundation is paramount to proper track performance and proper drainage is key to maintaining that foundation. Drainage maintenance reduces or in some cases eliminates the need for costly maintenance activities. Establishing and maintaining proper drainage provides a “root cure” for many, more costly, symptoms.

The first step is to ensure an adequate, properly sloped ditch is available to intercept and divert water from outside the track. In addition, this ditch is necessary to provide drainage from the ballast section of the track. Without the proper ditch, activities at the track to enhance drainage will not provide the desired results.

Ditch cleaning is a maintenance practice that pays for itself many times over wherever moisture problems occur.

Ditch maintenance will increase the stability of your ballast and subgrade by moving water away from your track and right of way. It will increase cycle time between expensive surfacing and lining programs and prevent ties from deteriorating prematurely.

Despite the obvious benefits, ditch cleaning is often shoved to the bottom of a railroad’s list of maintenance chores. Why? Conventional methods are often time consuming, ditching areas may be inaccessible, and planning is usually haphazard and poorly defined.

There’s a better way to clean ditches. A practical, cost-effective, reliable solution: Badger Ditch Cleaning Services from Loram.

### Unparalleled Productivity.

The Badger Ditcher is a self-propelled system that is capable of moving 800 tons of material every hour. It

goes where and when it’s needed under its own power regardless of wet or dry weather conditions. The ditching wheel cuts a swath that can be varied from 30 to 54 inches wide, at a depth as low as 6 feet below the top of the rail.

Because the Badger’s workhead is articulated, the shape of the ditch can be contoured to suit drainage requirements. And the ditch can be placed anywhere between 6 and 22 feet from the track center on either side.

Loram’s Badger Ditch Cleaning Machine has a powerful swing conveyor that can dump waste-excavated material at distances of up to 35 feet on either side of the track center. Or you can discharge the material into an air dump car that can be emptied with the Badger’s own air supply.

### Reliable, Quality Drainage Services.

Let Loram provide our experienced personnel to accompany your track manager on field inspections to develop a practical custom-made drainage program for your property.

Loram leads the way in railroad drainage maintenance. A formal training program is required of all operators before assignment to a Badger crew. Then they add to their skills with a wide variety of on-the-job drainage experience. These well-qualified crews produce effective and economical drainage for your track.

Take advantage of the Badger Ditch Cleaning Machine and drainage services from Loram. For more information on our practical solutions to your track drainage problems, contact Loram at (763) 478-6014.

# Specifications

## LORAM BADGER DITCH CLEANER

|  |
|--|
| <b>Length:</b>   |
| 168 feet 4 inches (51.3 m) excluding air dump                        |
| <b>Width:</b>  |
| 10 feet 6 inches (3.2 m)   |
| <b>Height:</b>   |
| 15 feet 6 inches (4.7 m)   |
| <b>Weight:</b>   |
| 583,000 lbs. total (264,400 kg) excluding air dump                   |
| <b>Travel Speed:</b>   |
| 45 mph (72 kph)  |
| <b>Working Speed:</b>  |
| Variable to 2 mph (3.2 kph) depending on material and depth of cut   |
| <b>Production Rate:</b>  |
| 800 tons (500 cubic yards) per hour                                  |
| <b>Wheel Working Depth:</b>  |
| 6 feet (1.8 m) from top of rail maximum                              |
| <b>Wheel Working Locations:</b>                                      |
| 6 feet (2.7 m) minimum to 22 feet (6.6 m) maximum from track center  |
| <b>Wheel Cutting Capability (per pass):</b>                          |
| Depth Maximum: 18 inches (.45 m)                                     |
| Width Minimum: 30 inches (.76 m)                                     |
| Width Maximum: 54 inches (1.3 m)                                     |
| <b>Material Discharge:</b>   |
| Air dump or waste up to 35 feet (10.5 m) either side of track center |

*Subject to change*



**Articulated workhead.** The Badger's ditching wheel is mounted on an articulated workhead that can be adjusted to contour the ditch for more efficient drainage.



**Swinging boom.** The machine can excavate on either side of the track - without "Y" ing the machine.



**Conveyor.** The Badger's conveyor system discharges material on either side of the track or into an air dump car towed behind.

**LORAM** 

Reliable Cost Effective Service Solutions

**Loram Maintenance of Way, Inc.**

3900 Arrowhead Drive

P.O. Box 188

Hamel, Minnesota 55340 USA

Tel. (763) 478-6014 (800) 328-1466

Fax (763) 478-2221

[www.loram.com](http://www.loram.com)

[sales@loram.com](mailto:sales@loram.com)