



## Catch Basin Maintenance/Repair Trailer

**Project Number** 2010-14

**Project Leader** Troy Grossman

**Agency** City of Lakeville Streets Division  
20195 Holyoke Avenue  
Lakeville, MN 55044

**Phone** 952-985-2714

**Problem** The City of Lakeville Streets Division has rehabilitated many storm sewer structures and catch basins over the last few years. In order for crews to have everything they needed to complete the repairs at each job site, the necessary tools, materials, and equipment were loaded into two or three trucks.

**Solution** An existing 15,000-pound trailer was designed specifically for catch basin repairs and maintenance. All of the necessary equipment and materials are always readily available on the trailer when projects arise.

**Procedure** The city fitted an existing trailer with all of the equipment needed for catch basin repairs. The city had a service crane installed on the rear curb side of the trailer for easy access to the catch basin manhole, and it also purchased a cement mixer, water tank, and storage container for use on the trailer. City staff fabricated the steel and placed all equipment on the trailer.

**Results** The trailer has been in service for a short time, but the city has already recognized savings in several ways. When crews are required to complete a repair, it is as simple as connecting the trailer. Time spent in the shop loading and unloading tools, supplies, and materials is no longer an issue, allowing for time savings on both ends of each project. The trailer also allows for improved safety, with the crane and cement mixer installed on the curb side of the trailer to keep crews out of the traffic lane whenever possible.

The Streets Division uses a one-ton truck with a dump body to pull the trailer. When a project requiring the trailer arises, two staff members take the trailer to the job site. Before the trailer was available, it would require two or more trucks to transport all of the equipment to and from the site.

**Approximate Cost** \$7,600

**OPERA Funding** \$3,500

**Implementation** The trailer is designed for storm sewer catch basin maintenance and repairs, but its equipment and supplies also will make it an asset for sidewalk repairs, water main repairs, sanitary sewer casting adjustments, and curb repairs.

**Status** Complete



**Prepared by:**

Minnesota Local Technical Assistance Program (LTAP)

Center for Transportation Studies

University of Minnesota

200 Transportation and Safety Building

511 Washington Avenue S.E.

Minneapolis, MN 55455-0375

Phone: 612-626-1077

Fax: 612-625-6381

E-mail: [mnltap@umn.edu](mailto:mnltap@umn.edu)

Web: [www.mnltap.umn.edu](http://www.mnltap.umn.edu)

Local OPERA Program partners: Minnesota Local Road Research Board (LRRB), Minnesota Department of Transportation (MnDOT), and Minnesota Local Technical Assistance Program (LTAP) at the Center for Transportation Studies, University of Minnesota.

Any product mentioned within should not be considered a product endorsement. Authors' opinions/findings do not necessarily reflect the views of the Local OPERA Program.



The University of Minnesota is an equal opportunity educator and employer. This publication is available in alternative formats upon request.