



## Traffic Control Response Trailer

**Project Number** 2012-01

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**Problem** The City of Lakeville Streets Division is responsible for traffic control, street closures, and pedestrian safety in all work zones, for emergency response, and at community events. When streets, sidewalks, or trails need to be closed due to storm debris or flooding, the city must react immediately. The city also has community events throughout the year that require the placement of more than 200 barricades to protect pedestrians and control vehicle traffic. The Streets Division currently has to store these barricades and other traffic control devices at its facility to meet any traffic control needs.

**Solution** The city purchased a trailer and fabricated racks to store barricades and other traffic control devices. All traffic control devices have a designated location on the trailer where they are placed to allow for quick and easy access when needed and for inventory after each use. The Streets Division fabricated steel storage racks for the trailer, allowing all barricades and traffic control devices to be stored at its facility and ready at a moment's notice.

**Procedure** Staff measured and weighed the barricades to determine space needs so a correctly sized trailer could be purchased. After creating a plan for how the items would best fit, the city was able to order a trailer and purchase steel for fabricating the storage racks. Streets Division staff performed all of the fabrication and obtained quotes from local body shops to prepare and paint the steel racks.

**Results** The completed trailer has helped the city to better store its traffic control devices and to improve its response to traffic control and barricade placement needs. Because of the organization of the components, the city only needs one trailer to place traffic control devices for large events. In the past, two trailers were needed because staff could not stack all of the barricades neatly or safely on one trailer. In addition, the response time for delivery and placement of traffic control devices has been cut in half. Labor costs and time have also been reduced by eliminating much of the required handling time for each barricade.

**Approximate Cost** \$8,757

**OPERA Funding** \$8,100

**Implementation** The traffic control response trailer was used during the summer of 2013 for community events and exceeded the city's expectations. The city has made some changes to the fastener systems to keep the barricades secure on the racks and is now completely confident in the system.

**Status** Complete

**Prepared by:**

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