

Title: Correlating Stream Flow and Stormwater Models

SPR No: RSCH011-971

Project Description: A valid evaluation of stormwater effects due to development requires stream flow data that can be used in conjunction with stormwater quality data. This information will be used in conjunction with state and municipal investigations of water quality in certain referenced streams. Stream gauges will be placed in the Allen and Potash Brooks in Williston and South Burlington, which will result in continuous monitoring data for stream flow and several water quality parameters. This project will fund the operational cost of the gauges, with the information being used in conjunction with state and municipal investigations of water quality in the referenced streams. Periodic evaluation of the data from the gauges will be conducted, along with a review of available data for deicing chemicals and in-stream water quality. Preliminary assessments of weather and hydrologic response will be initiated. It is anticipated that by September 2008, nearly three years of continuous data will be available online.

Start date: 10/01/2005

End date: 09/30/2010

Status: Active Inactive Completed

Total Dollars: \$50,000

Index Terms: Administration Bridges Construction Environmental
 Geotechnical Maintenance Materials Pavements Safety Traffic Transit

Sponsor Organization

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Subjects: Hydraulics, environmental, stormwater

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