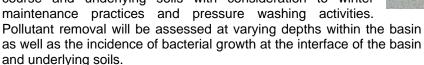
Title: POROUS PAVEMENT PERFORMANCE EVALUATION IN A COLD WEATHER CLIMATE – RANDOLPH PARK AND RIDE

SPR No: RSCH012-705

Project Description: The focus of this project is to examine the overall performance and pollutant removal efficiency of an experimental pervious Park and Ride located in the town of Randolph. This will be accomplished by documenting site characteristics such as soil permeability and frost susceptibility with reference to the water table, construction practices with special emphasis placed on grading, compaction and concrete placement, and the occurrence of any surface distresses including cracking and spalling. Infiltration efficiency will be monitored over time with respect to the pervious wearing course and underlying soils with consideration to winter maintenance practices and pressure washing activities.





Infiltration Testing of Porous Pavement

Accomplishments thus far include all water quality samples collected on December 15th being analyzed by the Agency of Natural Resources. Onsite permeability testing was conducted on Thursday, March 5th and April 14th. Received summary of winter maintenance activities from District 5. Conducted periodic inspections to examine the wintertime performance of the porous concrete.

Start date: 6/30/08 **End date:** 6/30/2014

Status:
☐ Active ☐ Inactive ☐ Completed

Total Dollars: \$105,000

Index Terms: ☐ Administration ☐ Bridges ☐ Construction ☒ Environment

☐ Geotechnical ☐ Maintenance ☐ Materials ☐ Pavements ☐ Safety ☐ Traffic ☐ Transit

Sponsor Organization

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Address: Materials & Research Section

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Website: http://www.aot.state.vt.us/MatRes/default.htm

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Subjects: Environmental, porous pavement, concrete.

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