



## WATER RESOURCES RESEARCH GRANT PROPOSAL

**Project ID:** RI1801

**Title:** Treatment of Roadway Runoff

**Focus Categories:** Treatment, Waste Water

**Keywords:** stormwater treatment, roadway runoff, adsorption, precipitation

**Start Date:** 03/01/2001

**End Date:** 04/30/2002

**Federal Funds:** \$28,465

**Non-Federal Matching Funds:** \$57,634

**Congressional District:** 2nd

**Principal Investigator:**

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**Abstract**

Conventional roadway runoff treatment technologies will not remove dissolved and ultrafine particulate associated pollutants. A new low-maintenance treatment process will be developed to add-on to existing conventional roadway runoff treatment processes to remove the pollutants that now enter the environment. The development of the new roadway runoff treatment technology will be accomplished through three tasks that include 1) literature review, 2) bench scale laboratory testing, and 3) pilot plant study.

Results from this research will include a design manual to guide developers in treatment selection based upon contaminant influent quality and regulatory guidance as well an operational prototype unit which can serve as a technology transfer teaching tool.