

**State of Wisconsin/Department of Transportation**  
 RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: Mar 31, 2008

<b>Program: SPR-0010(36) FFY99</b>	<b>Part: II Research and Development</b>
<b>Project Title: Monitoring and Evaluation of Fly Ash Stabilized Subgrade Constructed by the Wis DOT</b>	<b>Project ID: 0092-04-10</b>
<b>Administrative Contact: Nina McLawhorn</b>	<b>Sponsor: Wisconsin Department of Transportation</b>
<b>WisDOT Technical Contact: Bob Arndorfer</b>	<b>Approved Starting Date: June 21, 2003</b>
<b>Approved by COR/Steering Committee: \$114,603</b>	<b>Approved Ending Date: May 21, 2006</b>
<b>Project Investigator (agency &amp; contact): Tuncer B. Edil</b>	<b>Current Ending Date: September 30, 2008</b>

**Percent Complete:** 96%

**Project Description:** This project will determine how fly ash stabilization for subgrade improvement impacts construction and pavement design parameters. The project includes the following phases:

Phase 1- Development of Laboratory Testing and Field Monitoring Program

Phase 2- Implementation of Data Collection and Monitoring Plan

Phase 3- Long-term Monitoring

**Progress This Quarter:**

Material Property Testing:

Completed.

Field Instrumentation:

Volumetric water content, soil temperature, precipitation and air temperature data are being downloaded and collected with remote-controlled modem.

Non Destructive Quality Control Tests:

The Oct 2007 FWD data have been received and analyzed. The results will be incorporated into revised report.

Leachate Quality Data Collection:

Over the past quarter the lysimeters installed at STH 12 have been sampled. The samples have been filtered and preserved and are analyzed from cadmium, chromium, selenium, and silver.

Report

A draft final report summarizing the US 12 project data was submitted. This report will be updated with the data being collected currently.

**Work Next Quarter:**

Project extension contract with additional funding has been received. . Long-term monitoring activities therefore are being continued without interruption.

**Circumstances Affecting Progress/Budget:**

None

**Gantt Chart:**

Phase 1: 100% complete

Phase 2: 100% complete

Phase 3: 92% complete