

Texas Transportation Pooled Fund Project – Progress Report

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| Project Title: The Erosion Control Laboratory | |
| Project Number: TPF-5(015) | Project Manager – Name & Contact Info: John Mason, Maintenance Division, TxDOT jmason@dot.state.tx.us |
| Term of Current Contract: 9/1/09– 8/31/10 | |
| Reporting Period: 3/1/10 – 5/31/10 | |
| Work Performed and Progress: | |
| <p>This is an ongoing project thru an Interagency contract with the Texas Transportation Institute for FY2010.</p> | |
| <p><u>Task 1 Calibration of Test Protocols</u> Annual calibration of the laboratory equipment, sediment beds, channel lining flume, environmental chamber and greenhouses were conducted in January 2009. A new greenhouse have been built to better control environmental conditions when growing test trays prior to sediment control testing.</p> | |
| <p><u>Task 2 Conduct Baseline Test of Erosion Control Materials</u> A series of baseline index test for quality control was conducted on each product evaluated in this reporting period. This included running standard index or physical property (ASTM) test.</p> | |
| <p><u>Task 3 Development of New Test</u> A research project has been completed to develop a testing protocol to evaluate roadside sediment control products. Testing of these products will begin in January 2010 to determine whether they will meet TxDOT established minimum standards to be used on construction and maintenance projects.</p> | |
| <p><u>Task 4 Solicit Participants for Approved Product List Testing</u> Numerous manufacturers are requesting evaluation of their erosion control products. Waiting list for testing is 18 months</p> | |
| <p><u>Task 5 Coordinate with national advisory panel from pooled fund</u> The Advisory Committee met on April 15, 2009 at the Erosion Control Laboratory.</p> | |
| <p><u>Task 6 Conduct Product Testing</u> Five erosion control products were tested for slope protection his quarter. These materials were evaluated for soil sediment loss and vegetation establishment. Those meeting minimum performance standards were added to the TxDOT Approved Products List (APL) for erosion control materials. The APL is available at http://www.txdot.gov/business/doing_business/product_evaluation/erosion_control.htm .</p> | |
| Expenditures 2010 Contract: \$277,568.05 | |
| Report prepared by: John Mason (TxDOT Maintenance Division) | |