PROJECT OVERVIEW REPORT

1. Center Identifying Number
   NJIT-RU2147

2. Project Title
   Drainage Identification, Analysis and Mapping Project

3. Principal Investigator
   Guo Qizhong, Ph.D.
   Center for Advanced Infrastructure and Transportation (CAIT)
   Rutgers University
   100 Brett Rd. Piscataway, NJ 08854-8058

4. External Principal
   Jay N. Meegoda, Ph. D.
   New Jersey Institute of Technology
   University Heights, Newark, NJ 07102

5. Project Description
   The objective of the project entitled Drainage, Analysis and Mapping is to assist New Jersey Department of Transportation (NJDOT) in locating and inspecting all the storm-water Manufactured Treatment Devices (MTDs). From the existing NJDOT documents such as construction bid documents and environmental permit applications Rutgers will develop lists of MTDs and will concurrently contact all the device manufacturers/vendors to verify and/or complement the initial list. Rutgers will then utilize the NJDOT Universal Project Codes, Straight Line Diagrams, and construction plans to determine exact locations of the installed devices. Inspection procedures, training, and documentation forms will be developed from the findings. Field visits by NJDOT according to Rutgers paper documents will be verified and inspected, once completed, the Rutgers team will categorize the inspected MTDs for inclusion in the proposed Drainage Information Management System developed by New Jersey Institute of Technology (NJIT).

6. Dates and Budget
   Start date: 1/7/2010
   End date: 12/31/2011
   Total Dollars: $100,000

7. Keywords
   Drainage, storm water, mapping, manufactured treatment device, environmental