Mission/Funding:

MDOT’s Research Division seeks to bring modern technology to bear in the challenges of providing a quality transportation system for Mississippi. The division was created to carry out the federal mandate to use a portion of federal aid highway construction funds for research, State Planning & Research funds, to address problems in all areas of transportation.

Responsibilities:

Primary responsibilities include:

- **Research**
  - Research in all facets of transportation including but not limited to safety, pavements/materials, maintenance, intermodal, transit, design, and construction
  - Working with universities, consultants, and other DOTs on research studies
  - Data collection on larger research projects
  - Experimental design of research projects and performance of minor studies
  - Evaluation of new products
  - Chairing the Pipe Culvert Subcommittee, which is an arm of the Product Evaluation Committee
  - Participation in TRB, AASHTO, pooled funds, and other national conferences and groups devoted to research, pavement management, non-destructive testing, and transportation knowledge
  - Administration of MDOT’s research funds, studies, and personnel
• **Pavement Management**
  - Operation and management of the MDOT Pavement Management System and pavement condition survey
  - Providing data for statewide pavement selection
  - Maintenance of database containing varied information on the state maintained highway system including construction, geometrics, rehabilitation, and condition

• **Non-Destructive Testing**
  - Operation of a Falling Weight Deflectometer (FWD) to collect pavement response information for use in analyzing and designing pavement overlays
  - Operation of a skid testing system for measuring the skid resistance of pavements
  - Certification of contractor owned equipment and providing Districts with troubleshooting the smoothness of contractor built pavements
  - Profiler used to track, collect, and report on the status of our maintained (warranty) pavements

• **MDOT’s Transportation Library**
  - TRB, NCHRP, state research studies
  - Reports and studies from other state DOTs
  - Circulation for MDOT staff

**Facilities:**

MDOT Research Division office space and library are located in downtown Jackson, Mississippi. Our testing equipment is located in MDOT’s Research/Geotechnical shop area. We work together with other divisions, universities, and consultants to use their facilities as part of research contracts.

**Staff/Expertise:**

MDOT’s research staff consists of 12 people: engineers, engineers-in-training, three technicians, one part-time information technology analyst, and two administrative persons. We are proud to have seasoned expertise in all four areas listed above, as well as future leaders in transportation.

**Contact Us:**

Cynthia J. (Cindy) Smith, P.E.  
State Research Engineer  
cjsmith@mdot.ms.gov

William A. (Alex) Middleton, P.E.  
Assistant State Research Engineer  
amiddleton@mdot.ms.gov

**Address:**

Research Division 86-01  
PO Box 1850  
401 N. West St.  
Jackson, MS 39215-1850  
Phone: 601.359.7650  
Fax: 601.359.7634  