



Mississippi Department of Transportation (MDOT) Research Division

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:

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