# FY2026 Research Program:

The following are the projects that MoDOT intends to proceed with contracting with an external organization. They are organized by broad topic. In most cases, a Request for Proposal will be developed and posted, depending on funding availability and internal staffing levels. Given that MoDOT may have higher interest levels in one aspect or portion of a submitted research idea, some externally submitted ideas for research may be reflected in part or in combination with other similar ideas.

Construction

* Piloting Intelligent Compaction for Foundations.

Environmental

* Detection of Passages (Caves) Beneath Highways (tentative)

Highway Safety and Traffic

* Optimizing Signal Timing Through Vehicle and Cell Phone Technologies
* Analyzing Night-Time Pedestrian Crashes
* HFST Decision Making

Maintenance

* Sustainable Anti-Icing Solutions Reducing Concrete Damage with Organic-Based Agents
* Recycled Asphalt Pavement Long Term Performance
* Assessing the Effects of Magnesium Chloride (tentative, could be in-house)

Materials

* Fly Ash Alternatives
* Low Strength in Type 1L Cement

Research

* Research Strategic Plan