

MoDOT Research Program



JEN HARPER
RESEARCH DIRECTOR



Who and where we are

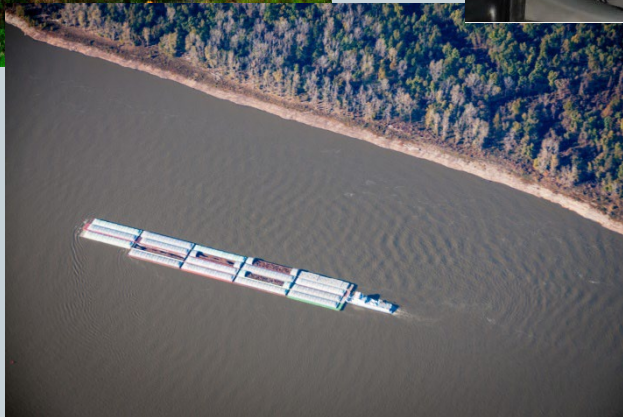
Section within Central Office Construction and Materials

- ▶ Jen Harper-Research Director
- ▶ Brent Schulte-Senior Research Analyst
- ▶ Jenni Hosey-Senior Research Analyst
- ▶ Scott Breeding-Senior Research Analyst
- ▶ Lauren Bielecki-Research Librarian
(Contract Employee)

What we do



All Things Transportation



Why does MoDOT do research?



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Quick answer



It's a federal requirement

Better answer



We do research to find better and more efficient ways of providing transportation services

Federal research funding



2% Takedown for Statewide Planning
and Research-federal fiscal year 2023
approx. \$30 million

75% to Transportation Planning
(75% maximum allowed)
approx. \$24 million

25% to Research
(25% is minimum allowed)
approx. \$6 million


Research at a glance

Average 45 contracts
any given time

Projects can range
from \$50k to over
\$500k

Research is performed
by universities,
consultants or a
partnership of the two

Research projects can
be either engineering
or non-engineering



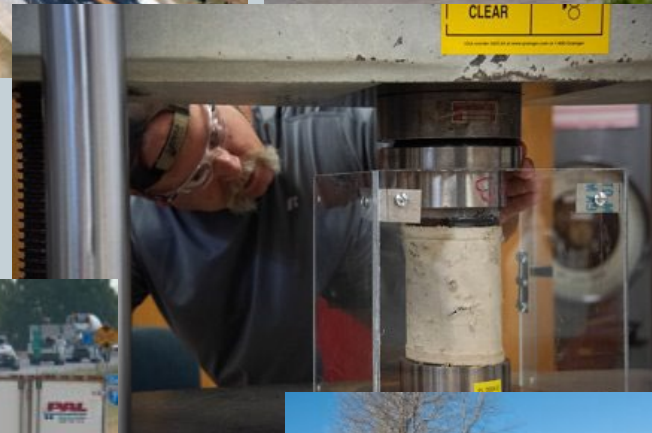
Research idea generation

Research Section meets
with divisions and districts

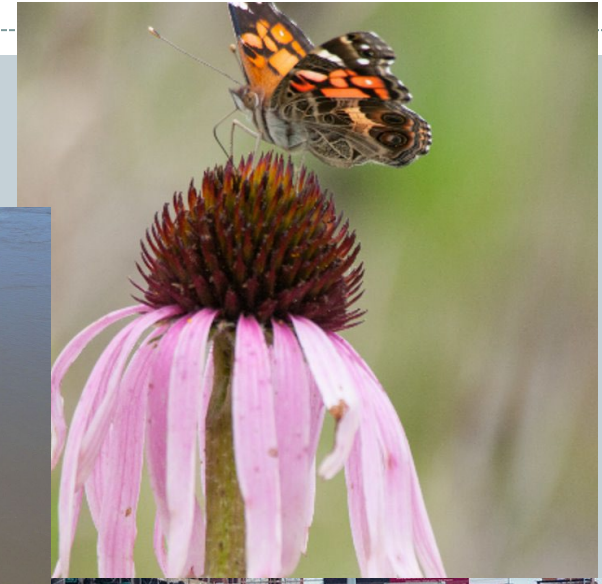
Call for ideas from external
research partners

Host MoDOT Research
Needs Day

Examples of Engineering Research Projects



Examples of Non-Engineering Research Projects



That is so exciting, how do I get involved?!



172887641

gettyimages®
Credit: princessdlaf

Step 1



Get on our mailing list

E-mail your contact info to:
lauren.bielecki@modot.mo.gov

Step 2

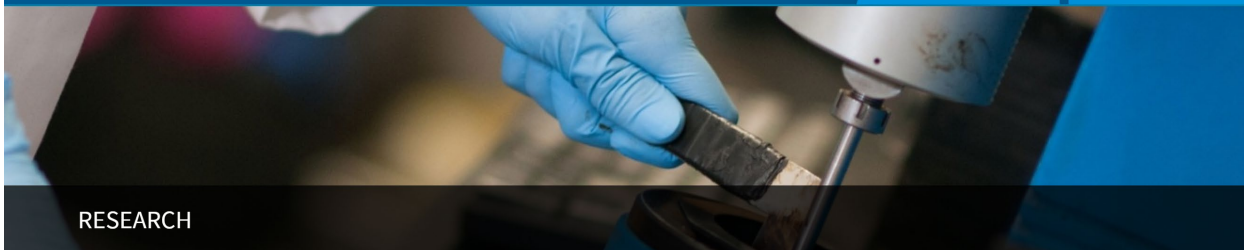


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RESEARCH

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Research Section

Mission

We deliver knowledge solutions and innovations so that MoDOT can make informed decisions. Research staff administer contract research to outside organizations to solve organizational challenges.

Research projects are focused on how MoDOT can change processes, products or materials in order to do our jobs in the most efficient and economical manner.

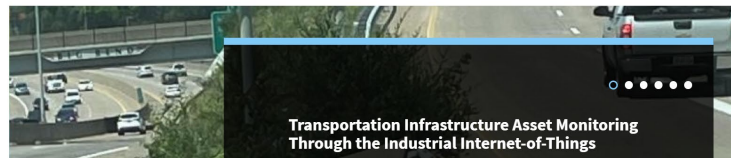
The [Research Section](#) falls under the Construction and Materials Division within MoDOT and is located in the Central Laboratory building.

What We Do

We develop an annual research program, focusing on strategic areas such as Safety, Bridges, Pavements, Materials, Geotechnical Issues, Erosion Control, Maintenance, Multimodal Transportation, Best Practices and Customer Satisfaction.

The Research Section is also responsible for other activities:

- Evaluate [New Products](#)
- Provide [Library Services](#)
- Support the [Local Technical Assistance Program](#)
- Coordinate the [Every Day Counts Initiative](#)
- Administer [Pooled Fund](#) Activities
- Promote Technology Transfer of Innovations



<https://www.modot.org/research-section>

Step 3



Look for RFPs of interest



RESEARCH

EXPLORE THIS TOPIC

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Current RFPs

Note: RFP questions and answers (Q&A) documents will only be posted below if questions were received by the date noted in the original proposal.

[National Summer Transportation Institute](#)

Project number: TR202102

Post date: December 26, 2023

<https://www.modot.org/research-section>

Step 4



Determine if engineering or non-engineering

October 10, 2023

Dear Research Partner:

The Missouri Highways and Transportation Commission requests proposals from qualified organizations—namely private consultants, universities, and research organizations—to furnish professional services as described in the following request for proposal to be coordinated by the Research Unit of the Construction and Materials Division.

Please submit a proposal for project **TR202406** entitled, “**Using Rubber Powder to Improve Freeze/Thaw Resistance of Concrete.**” Your submittal must include a work plan, the proposed project team and its background, and any related projects now active or recently completed by your firm. The project team must be led by a licensed professional engineer in the state of Missouri and the final report must be sealed, in accordance with the provisions of Chapter 327 RSMo.

If it is an engineering project: The project team must be led by a licensed professional engineer in the state of Missouri

Step 5



Submit a Proposal

Typical evaluation criteria

- Experience, expertise, and reliability
- Proposed method of performance
- Cost (non-engineering proposals)
- Overall clarity, and quality of proposal



Photo by MART PRODUCTION:
<https://www.pexels.com/photo/a-group-of-people-planning-while-looking-at-the-laptop-7550298/>

Thank You!



MODOT RESEARCH

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