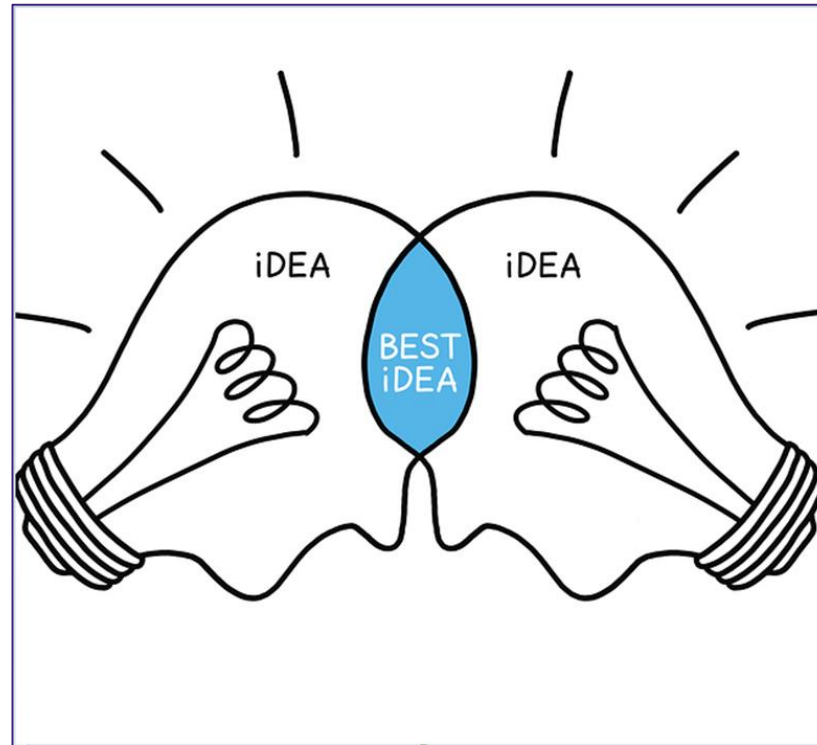
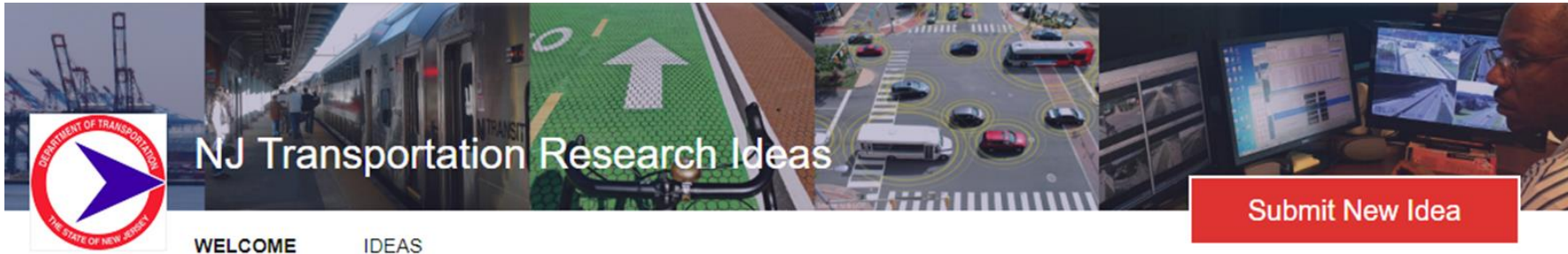




A website to gather and share research ideas





### **What is our goal?**

To find workable solutions to problems that affect the safety, mobility and accessibility of New Jersey's residents, workers, visitors and businesses.

To enhance the quality and cost effectiveness of the policies, practices, standards and specifications that are used in planning, building and maintaining New Jersey's transportation infrastructure

### **What are we looking for?**

Research ideas from our research customers, research institutions and other practitioners that address critical existing and emerging transportation needs in New Jersey.

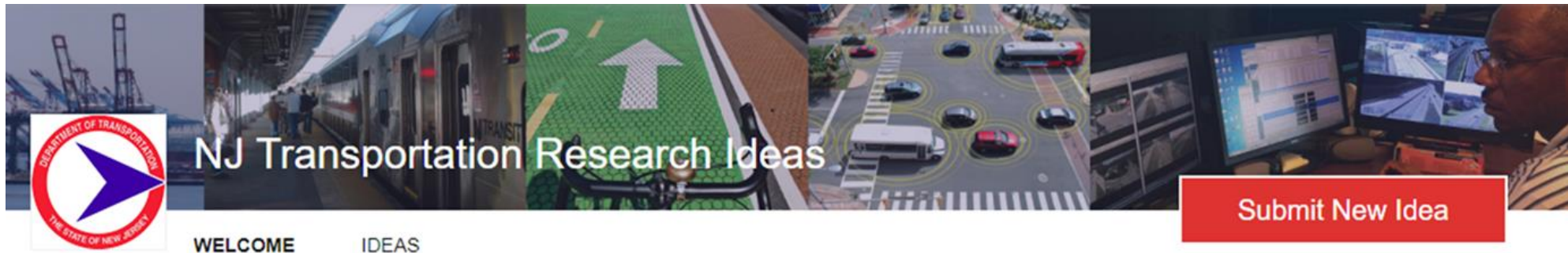
We want ideas that can turn problems into solutions that can be implemented.

### **Who do we work with?**

University and other research professionals

### **Where are research ideas shared?**

<https://njdottechtransfer.ideascale.com/>



# NJ Transportation Research Ideas

WELCOME IDEAS

Submit New Idea

## PLANNING & ENVIRONMENT

### Evaluation of Bridge Serviceability Using Anonymous Probe Vehicle Data

Developing rational and transparent performance measure is essential to guide infrastructure investment decisions and assess outcomes. Traditionally, the performance measures used to evaluate highway bridges were strength, serviceability, and necessity of use. These components were used to derive the sufficiency factor for bridges in the National Bridge Inventory (NBI). For a structure, strength is always the critical ...**more** »


Submitted by IdeasAdmin2 (@site.admin2) on 27th Sep | [Add your comment](#)

List your Agency /Division / Bureau, County, City Univ. or Other : The College of NJ (TCNJ), Department of Civil Engineering


Idea Champion - Who at NJDOT, NJ Transit or NJ Motor Vehicles? : Sudhir Joshi & Ira Levinton, Division of Statewide Planning, Commuter Mobility Strategies; Greg Renman & Natr Kasbekar, Bridge Engineering & Infrastructure Management; Wasif Mirza, Mobility & Systems Engineering; Chris Barretts, Traffic Engineering

Why is this a priority and what are the benefits for the State/County/City? :

- 1) Development of measurable bridge service metrics which can be used for risk-based asset management;
- 2) Increased clarity on decisions regarding bridge repair and total replacement;
- 3) Increased return on investment (ROI) for funds dedicated to bridge repair and replacement;
- 4) Improved ability to evaluate ROI



2  
votes



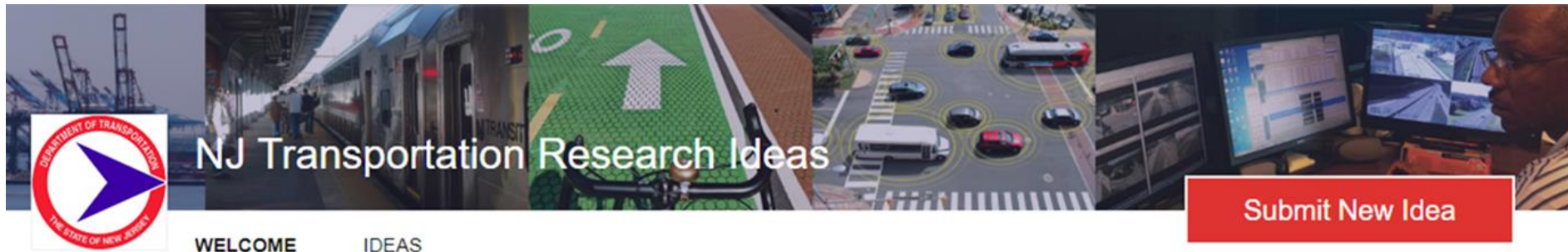

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+2                      -0

IDEATE

## Ideas Need

- Title
- Description
- “Champion” to see idea through the research process
- Why is this a priority?
- What are the benefits?



## Campaigns

### All Ideas



Design and Construction



Operations & Preservation



Planning & Environment



Policy and Organization



Traffic & Safety



Multi-Modal System Compo...

## Which “Campaign” does your idea fit in?

- Community members can see the research categories for which NJDOT is seeking ideas.

## Who else is interested in this topic?

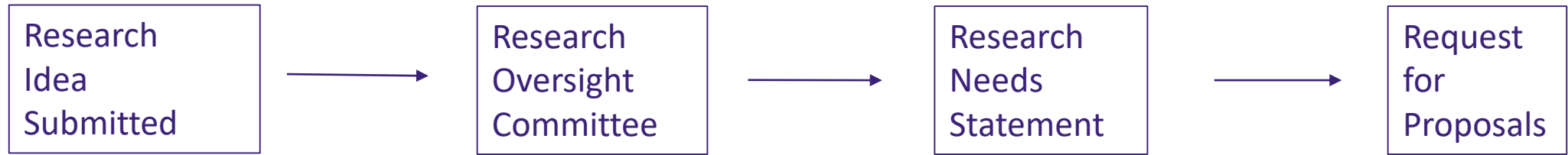
- Develop Communities of Practice
- Collaborate with peers interested in similar ideas



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2 votes



**Title**  
**Problem Statement**  
**Literature Search**  
**Research Objective**  
**Implementation**  
**Prospects**  
**Research Significance**  
**Project Duration**  
**Cost Estimate...**

New Jersey Department of Transportation  
 Bureau of Research  
**RESEARCH PROJECT**  
**Request for Proposal**  
**2016/17 Program**

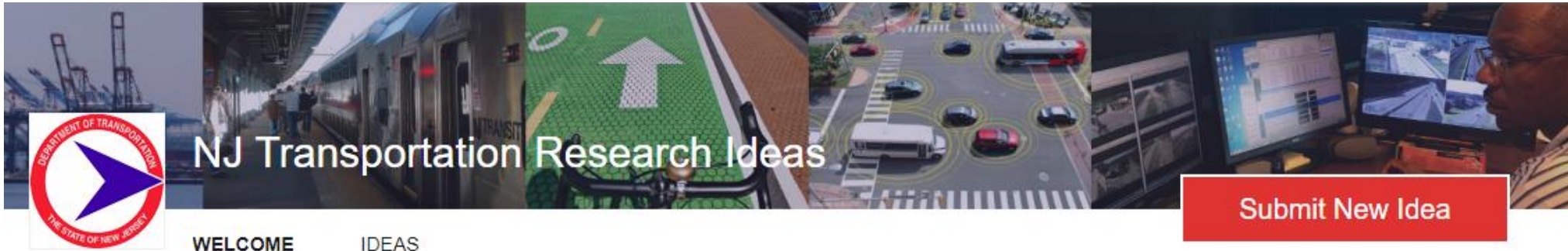
[Technology Transfer Program](#)

Project No. 2016-11

**Date of RFP**  
05/02/2016

**Closing Date**  
06/10/2016





# NJ Transportation Research Ideas

WELCOME IDEAS

Submit New Idea

**Create Your Account** (Already have an account? [Log in](#))

\*Required fields

Email Address \*

Language \*

English

Professional Title : \*

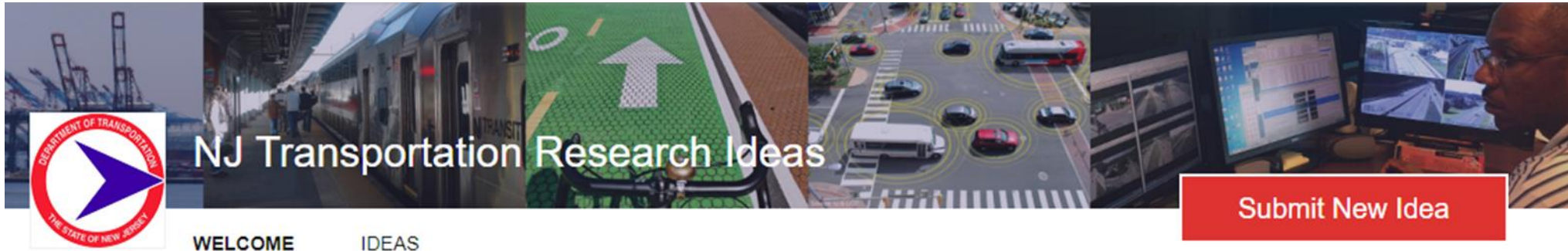
Agency/Organization or Professional Affiliation : \*

Hide my identity (Submit anonymously)

OFF

Send me news and updates about IdeaScale  OFF

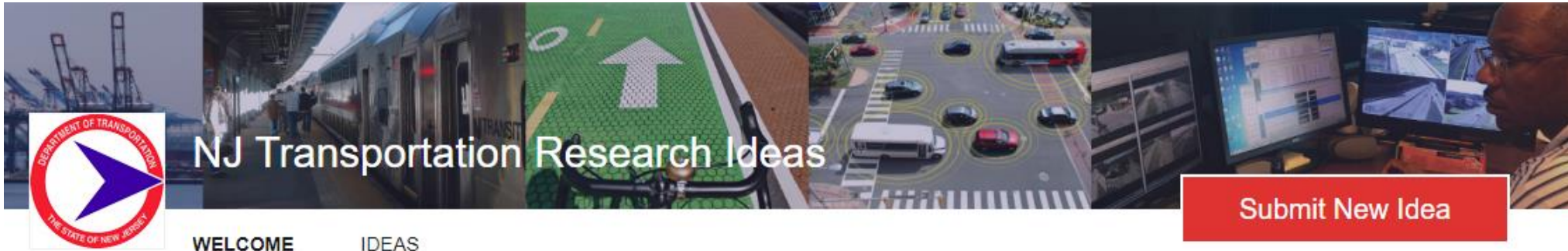
- 1. Register to Participate.** NJDOT’s research customers and other interested transportation practitioners (e.g., MPOs, county and local governments, and other transportation subject matter experts from trade, universities and NGOs) can register to participate.
- 2. Submit Research Ideas.** Registered participants log in to submit a new idea. You may submit ideas at any time.
- 3. Comment and Vote.** Give feedback on other research ideas and vote to show support.
- 4. Check back to see what’s new.**



## When is the deadline for the next research round?

- The deadline for new research ideas to help inform the next round of research RFPs is **December 31, 2017**.
- Research ideas will be prioritized by the Research Oversight Committee after this date, and high priority research needs will be posted as proposals. RFPs will be posted on the Bureau of Research website.
- We will continue to collect research ideas. Submit a new idea anytime!

[Submit New Idea](#)



1. **Where Do I Register?** <https://njdottechtransfer.ideascale.com>

2. **Who Can Register to Participate?** NJDOT's research customers and other interested transportation practitioners (e.g., MPOs, county and local governments, and other transportation subject matter experts from trade, universities and NGOs) can register to participate.

3. **Questions about How to Register?**

Please email our site administrator: [ideas@njdottechtransfer.net](mailto:ideas@njdottechtransfer.net)

**Create Your Account** (Already have an account? [Log in](#))

\*Required fields

Email Address \*

Language \*

Professional Title : \*

Agency/Organization or Professional Affiliation : \*

Hide my identity (Submit anonymously)  OFF

Send me news and updates about IdeaScale  OFF

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