



# MnDOT Research Need Statement

## Section I: Research Needs Statement Information

### A. Research Needs Champion

1. First Name:
2. Last Name:
3. Office Name:
4. Email:
5. Phone Number:

## Section II: Research Need Details

### A. Needs Title (In 115 Characters or fewer):

### B. Describe the problem, risk, or opportunity this research need will address

(In 500 Characters or fewer):

### C. Briefly describe the consequences or outcomes, if this problem or risk is not addressed

(In 400 Characters or fewer):

### D. Select the frequency or probability of the consequences or outcomes occurring, if the problem or risk is not addressed. See guidance document for additional descriptions.



### **III. Alignment with MnDOT's Strategic Priorities, Benefits, & Outcomes**

#### **A. Strategic Priorities**

*Instructions:* Describe how this project aligns with the following Research Strategic Priorities. Complete all that apply. (In 300 characters or fewer).

##### **1. Innovation & Future Needs**

##### **2. Advancing Equity**

##### **3. Asset Management**

##### **4. Safety**

##### **5. Climate Change & Environment**

#### **B. Expected Outcomes**

*Instructions:* Check all expected outcomes expected from this project. Select all that apply.

New or improved technical standard, plan, or specification

New or improved manual, handbook, guidelines, or training

New or improved policy, rules, or regulations

New or improved business practice, procedure, or process

New or improved tool or equipment

New or improved decision support tool, simulation, or model/algorithm (software)

Evaluation of new commercial products to determine if a product meets MnDOT

needs Other, please specify (In 500 characters or fewer).



**C. Expected Benefits**

*Instructions:* Describe how the project may benefit the department in the following Research Benefits. Complete all that apply. (In 325 characters or fewer).

**1. Material Costs:**

**2. Labor Costs:**

**3. Construction Costs:**

**4. Life Cycle Costs:**

**5. Environmental Impacts:**

**6. Safety:**

**7. Risks :**

**8. Sustainability:**

Your assigned Project Advisor is available to answer questions and provide guidance (assigned by the Office of Research & Innovation). Your Project Advisor is:

Last updated 5/7/19  
End of Form

