



## CDOT Research Problem Statement

**PROBLEM STATEMENT TITLE:**

[Name of proposed Research Study]

**AUTHOR:**

Name:

Organization:

Phone:

E-mail:

Date Submitted:

**SPONSOR:**

[CDOT Branch/Program Manager or Research and Implementation Council (RIC) member who is supporting the Research Study]

**CHAMPION:**

[CDOT staff who will lead the research and have a major involvement in the study and implementation of the results. No Research Studies will be initiated without a CDOT staff champion.]

**DESCRIPTION OF PROBLEM STATEMENT:**

[Background and description of research idea]

**PRODUCT OF RESEARCH:**

[Describe the expected product of the research that can be used for planning, designing, building, maintaining or operating, and improving safety of transportation infrastructure in Colorado.]

**BENEFITS OF RESEARCH:**

[Describe the expected benefits of the research. When will they be realized? How can they be measured and tracked?]

**ESTIMATED TIME TO COMPLETE RESEARCH:**

- ☐ 6 months
- ☐ 1 year
- ☐ 2 years
- ☐ 3 years
- ☐ more than 3 years

**COST FOR RESEARCH:**

[Please include the itemized estimated cost. The funds for approved projects will be available July 1, next fiscal year.]

**Itemized Cost Estimate:****Total Cost Estimate:**

- ☐ less than \$25,000
- ☐ \$25,000 – \$50,000
- ☐ \$50,000 – \$75,000
- ☐ \$75,000 – \$100,000
- ☐ Other, please specify.

**LEVERAGE/FEDERAL FUNDS:**

[Would others (states, local governments, federal, etc.) be interested in this research? Are there already funding partners, or should CDOT pursue funding partners?]

**RESEARCH IMPLEMENTATION AND RECOMMENDATION:**

[Describe how the research recommendations can be used in the planning, design, construction, maintenance or operation, and safety improvement of Colorado's transportation system. Identify training need and use of products.]

**RESEARCH PROGRAM AREAS:** [Select one or more]

- ☐ Structures, Hydraulics, Soils, and Geotechnical  
[Aziz.Khan@state.co.us](mailto:Aziz.Khan@state.co.us), (303) 757-9522
- ☐ Environmental, Sustainability, and Water Quality  
[Bryan.Roeder@state.co.us](mailto:Bryan.Roeder@state.co.us), (303) 512-4420
- ☐ Safety, Operations, and Planning  
[David.Reeves@state.co.us](mailto:David.Reeves@state.co.us), (303) 757-9518
- ☐ Pavements and Materials  
[Roberto.DeDios@state.co.us](mailto:Roberto.DeDios@state.co.us), (303) 512-4771
- ☐ Additional uncategorized research topics  
[Amanullah.Mommandi@state.co.us](mailto:Amanullah.Mommandi@state.co.us), (303) 757-9044

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***Please send completed form to the above appropriate research program area manager(s) by e-mail. If you have any questions, please contact the above individuals.***