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| **Roadside Safety Pooled Fund Program****Research Problem Statement** | State:Minnesota (MN-84) **DRAFT**(TTI\_MN Problem Statement Median Barrier Steel Cover Plate) |
| Title:Median BarrierSteel Cover Plate for Large Open Joints |
| Problem Statement: Sometimes during retrofit projects a storm sewer catch basin or manhole access is on the proposed new concrete median barrier alignment. An older steel plate design continues to be proposed by designers. This barrier has never been crash tested thus is not allowed any longer in our plans.No viable alternative currently exists, short of relocating the structures, which increases the cost of the project significantly.  |
| Objectives of the Study: To develop a crash worthy steel plate cover for concrete median barrier gaps up to 4 feet long. |
| Expected Benefits:The device would benefit reconstruction projects and the traveling public by improving safety and reducing delays for construction. |
| Description of the Proposed Feature to be Tested: *(Be as detailed as possible. Include drawings and/or plans, if available.)*Develop a steel cover plate that can be used for an F-shape and single slope median barrier design. The design will need to bridge a gap of up to 4 feet. The cover plate should be removable for ease of repair and to permit access to drainage structures that the cover plate may be spanning.  |
| Estimated Cost *(of the feature per linear foot installed):* | Total Estimated Cost of Crash Test: |
| Contact Person: | Telephone: |