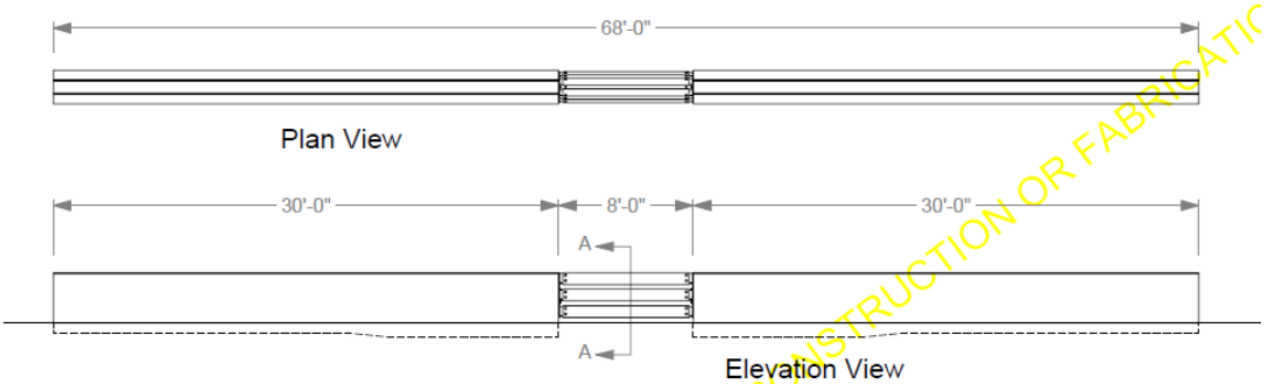
Roadside Safety Pooled Fund

Research Problem Statement

2021-05-LCB

Project Title:	**Tubular Barrier Gap Rail for MASH TL-4 (Continuation Project)**
Project Synopsis:	TTI has designed and successfully crash tested a new tubular barrier gap rail for MASH TL-3. This project will focus on modifying the test installation and performing MASH Test 4-12 on the barrier gap rail. Details of the MASH TL-3 test installation currently in place is shown in the following details: 
Project Goal(s):	1.) Modify the exiting test installation for MASH TL-4 crash testing 2.) Perform MASH Test 4-12 and report results
Project Background:	TTI has successfully crash tested a new tubular barrier gap rail for MASH Test level 3. Due to successful performance of the design for MASH TL-3, this design is a good candidate for successful performance for MASH Test Level 4.
Proposed Work Plan:	1.) Task 1 – Engineering design and construction for MASH Test 4-12 2.) Task 2 – Perform MASH Test 4-12 and reporting
Deliverables:	Crash Test Report for MASH Test 4-12
Urgency and Expected Benefit:	New tubular barrier gap rail that meets the performance requirements of MASH Test Level 4.
Problem Funding and Research Period:	**Total Estimated Cost = $93,000** Task 1 – Engineering design and construction – 5 months Task 2 – Perform Mash Test 4-12 and reporting – 4 months Total = 9 months total duration
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