

<b>Project Title:</b>	<b>Effect of commonly used accessories such as lights, and sensors on crashworthiness of work zone category 1 under MASH testing.</b>
<b>Project Synopsis:</b>	<i>Lightweight channelizing devices commonly referred as Category 1 devices have been allowed to continue to be self-certified under MASH testing requirements. Under NCHRP 350, drums with lights were allowed to continue to be self-certified. However, MASH Q&amp;A explicitly requires testing or evaluation of category I devices if there are attachments. The researcher will evaluate the crashworthiness of Category 1 devices with attached accessories.</i>
<b>Project Goal(s):</b>	<i>Evaluation of Category 1 with attached accessories</i>
<b>Project Background:</b>	<i>Lightweight channelizing devices commonly referred as Category 1 devices have been allowed to continue to be self-certified under MASH testing requirements. Under NCHRP 350, drums with lights were allowed to continue to be self-certified. However, MASH Q&amp;A explicitly requires testing or evaluation of category I devices if there are attachments</i>
<b>Proposed Work Plan:</b>	<p><i>Task 1: Engineering Review</i>  <i>This task will review current Category 1 devices and available accessories. This task will also develop a testing plan for Task 2.</i></p> <p><i>Task 2: MASH Crash Testing</i>  <i>This task will crash test Category 1 devices with mounted accessories.</i></p>

<b>Deliverables:</b>	<ul style="list-style-type: none"><li>-Guidance on mounting accessories on Category 1 devices.</li><li>-Technical report documenting the work completed in this project</li></ul>
<b>Urgency and Expected Benefit:</b>	This project will provide the required evaluation and crash testing for mounting accessories on category 1 devices.
<b>Problem Funding and Research Period:</b>	\$160,000 and 15 months
<b>Developer(s) of the Problem Statement:</b>	Name: Juan Pava Email: <a href="mailto:juan.pava@illinois.gov">juan.pava@illinois.gov</a>