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14. Supplementary Notes			
15. Abstract  <b><u>Purpose and Need</u></b> Roadway navigation during low light or night time condition through structures and curves can pose a danger to the driving public. Guardrail and barrier delineation has been identified as a possible method to reduce crashes. Potters Industries Inc. has developed the Ultra Guard™ system to provide additional visibility to guardrail, jersey barriers and bridge railing. The system uses a waterborne paint and glass beads, comparable to those used for pavement marking, to provide nighttime retroreflectivity.  <b><u>Objective</u></b> The objective of this experimental project is to evaluate the performance of the Ultra Guard™ Safety System to increase visibility of guardrail and bridge barriers as a countermeasure to reduce crashes.  <b><u>Summary</u></b> The daytime visibility was acceptable other than in the areas that the material was delaminated. The white lines showed some discoloration, either from ultraviolet exposure or collection of surface dirt, but were still plainly visible. The nighttime visibility is more subjective. There are several variables to consider when evaluating nighttime visibility. The driver's headlights, overhead lighting, adjacent traffic, and the driver's eyes all have an effected on visibility. In our evaluations the Ultraguard was not visible much sooner than the entire guardrail. Some of this could be attributed to the overhead lighting in the area. However, even before the Ultraguard is visible, the curve of the road and the approaching structure and guardrail are clearly delineated by the delineation signs that are place on top of the guardrail.			
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