2012 Poster Session, April 4, 2012
Abstract

*Enhanced Worker Safety in Very Short Duration Work Zone Operations: State of Practice and Recommendations*

**Research Team:**

Li Wang, Graduate Research Assistant  
The University of Texas at Austin, Center for Transportation Research  
celeste.wl05@gmail.com

Sami Kolahdoozan, Graduate Research Assistant  
The University of Texas at Austin, Center for Transportation Research  
samik@utexas.edu

Dan Seedah, Research Associate  
The University of Texas at Austin, Center for Transportation Research  
dseedah@mail.utexas.edu

Dr. Fernanda Leite, Assistant Professor  
The University of Texas at Austin, Department of Civil, Architectural, and Environmental Engineering  
fernanda.leite@austin.utexas.edu

Dr. Randy Machemehl, Professor  
The University of Texas at Austin, Center for Transportation Research  
rbm@mail.utexas.edu

**Poster Presented by:** Li Wang

**Abstract:**

Very short duration maintenance operations last for less than 15 minutes and usually involve operations such as removing an object from the roadway (either on the pavement or adjacent shoulder) or pothole patching. These activities have the potential to interrupt traffic flow and can pose a safety risk for both workers and drivers. Findings based on literature and shadowing of roadway maintenance personnel indicated that very short duration operation (VSDO) needs to be independently recognized as a type of work zone operation, which supplements the categories described in current standards. Specific guidance of very short duration operations needs to be provided. This poster defines Very Short Duration Operations (VSDOs), presents a decision flowchart of when to proceed with the work as a VSDO, as well as suggests minimum safety requirement.