

## Implementing Transportation Management Plans - Project Selection

Carolina B. Resende  
Graduate Student, Iowa State University, resende@iastate.edu

Michael J. Volk  
Graduate Student, Iowa State University, mjvolk@iastate.edu

Jennifer S. Shane  
Associate Professor and CMAT Director, Iowa State University, jsshane@iastate.edu

A Transportation Management Plan (TMP) is a document developed to help the management of work zones. This document can be generated by the state Department of Transportation (DOT), contractors, consultants, or an interaction between them. One of the objectives of a TMP is to guide highway construction and increase worker and traveling public safety. This study investigated twenty-six (26) DOTs to determine if the agencies use TMPs for all projects, and what criteria is used to determine which projects should receive a TMP. It was found that the majority of the DOTs, 62%, do not use TMP for every project. However, 50% of the DOTs select the projects to have a TMP based on the Department Policy, 15% base the selection on the TMP Manual, 8% base it on Experience, and the other 27% use a mix of Department Policy, TMP Manual, and Experience. It was noticed that even though there is a Manual or a Policy that helps the selection of the projects to receive the TMP, according to the survey, many times the designation is still based on the person who is analyzing the document, and the interpretation of the requirements can interfere on the selection. This leads the TMP designation to a problem, there is no pattern or real guidelines for this selection, and some critical projects may not get a TMP, impacting the safety of the construction.

**Keywords:** Transportation Management Plan; project selection; highway construction safety; work zone management