Managing Performance of a Work Zone Using Probe Data

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In order to assist agencies in complying with requirements of the Final Rule on Work Zone Safety and Mobility, the University of Maryland Center for Advanced Transportation Technology Laboratory (CATT Lab) developed a real-time performance monitoring tool that can be used to assess work zone impacts on mobility and safety. The Work Zone Performance Measurement (WZPM) tool relies on probe vehicle data to determine work zone performance in real-time and provide an easy to understand “dashboard” user interface that displays work zone performance in an effective manner. More than just complying with FHWA ruling, WZPM tool assists in overseeing of construction activities, supporting traffic operations, provide information to the public, respond to complaints, and respond to contractor requests for an extension or schedule change. This session will showcase the WZPM tool and provide information on how this type of tool can be utilized both in urban and rural areas to monitor and improve safety and mobility in work zones.