

TRANSPORTATION SEMINAR

A Benefit-Cost Evaluation of Improved Freeway Traffic Incident Management (TIM) Due to DPS & ADOT Co-location at the Traffic Operations Center

Thursday, September 7, 2017
12:00pm to 1:00pm

Please join us in College Avenue Commons (CAVC) room 425 



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Maricopa Association of Governments

In 2014, ADOT and MAG sponsored a 3-year pilot project that helped co-locate Department of Public Safety (DPS) troopers at the Arizona DOT Traffic Operations Center, with the goal of faster clearance of crashes through better coordination. The project has been active since January 2015. An analysis methodology was developed by MAG to perform a benefit-cost analysis that compared “before” conditions in 2014 to “after” conditions in 2015, first year of the pilot project. The analysis simulated an average day and accounted for congestion and additional traffic delay on the entire road system. It utilized data gathered by DPS on crash clearance, historical crash data and the simulation model Dynus-T. The estimated benefit-cost ratio attributable to the first-year of the co-location pilot program was estimated to be 250:1. Supported by the results of this evaluation, DPS troopers are now permanently co-located at the TOC. This seminar will provide an overview of the analysis methodology.

Dr. Sarath Joshua is a Senior Program Manager at MAG, which is the Metropolitan Planning Organization for the Phoenix metropolitan region. He manages the Planning Programs for Intelligent Transportation Systems and Road Safety. Dr. Joshua is a registered civil engineer with nearly 37 years of combined experience in both public and private sectors. He also served as an ASU Adjunct Faculty for five years and taught a graduate course on Transportation Systems Management.

<http://goo.gl/A9e8ac>  

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