Project #14402 – Development of Crash Modifications Factors for DOT funded Selective Enforcement

http://utca.eng.ua.edu/research/projects/?id=14402

Record Type: UTC

This research proposes to evaluate the effectiveness of the selective enforcement campaigns in reducing all crashes with a focus on the impact of these campaigns on reducing serious injury/fatal crashes.

It is recognized in the literature that enforcement activities have both a temporal and spatial impact on driver behavior, often called the halo effect. The halo effect implies that driver behavior (speeding) is reduced for a time and/or distance from a known enforcement point. This research will examine an officer’s patrol pattern during the selective enforcement period to evaluate the effectiveness.

This research will focus on the return on investment in terms of crash reductions and reductions in crash severity for selective enforcement. This research will examine the halo effect and the degree to which the spatial and temporal impact crashes and crash severity. This research will develop Crash Modification Factors (CMF) for selective enforcement related to DUI and Speeding crashes. The crash modifications factors will be developed, as data supports, to a sufficient depth to submit to the CMF Clearinghouse.

Start Date: 2014/01/01
End Date: 2015/06/30
Contract/Grant Number: GR24574
UTCA Project #14402, Proposal # 14-0227,
ALDOT – STPHS-SP06 (900); CPMS Ref # 100048673

Total Dollars: $145,129.00
Source Organization: University Transportation Center for Alabama

Sponsor Organization
Alabama Dept. of Transportation
1409 Coliseum Blvd.
Montgomery, Al 36130-3050

Performing Organization
University of Alabama, Tuscaloosa
Civil, Construction, Environmental Engineering
Box 870205
Tuscaloosa, AL 35487

Project Manager
Timothy E. Barnett, P.E., PTOE
Phone: (334)353-6464
Email: barnett@dot.state.al.us

Principal Investigator
Graettinger, Andrew J., PhD
Phone: (205) 348-1707
Fax: (205) 348-0783
Email: andrewg@eng.ua.edu

Subjects:
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