Development of a Dynamic Traffic Assignment Model to Evaluate Lane Reversal Plans for I-65

The purpose of this proposed project is to develop a Dynamic Traffic Assignment model that will allow the Alabama Department of Transportation (ALDOT) to evaluate the current lane reversal plan for I-65 under a variety of evacuation scenarios and assess the impacts of modifications to this plan. The model will include all major evacuation routes from the Mobile and Alabama Gulf Coast region north to Selma and Montgomery and will estimate evacuation times, traffic volumes, and travel speeds on these routes. Ultimately, the model will also allow ALDOT to use traffic count data collected during evacuations to assess, in real time, responses to unforeseen events such as accidents, excessive congestion, or bridge closures.

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Sponsor Organization
Alabama Department of Transportation
1409 Coliseum Boulevard
Montgomery, AL 36130-3050
USA

Project Manager
Lorentson, John
Fouad, Fouad H.
Phone: (205) 934-8430

Performing Organization
The University of Alabama at Birmingham
Birmingham, AL
USA

Principal Investigator
Sisiopiku, Virginia
Phone: (205) 934-9912
Fax: (205) 934-9855
Email: vsisiopiku@uab.edu