

**Title:** A GIS Framework for the Evaluation of Truck Restrictions on State Highways

**Description:**

The purpose of this project is to: (a) survey and evaluate existing truck related accident and risk estimation models and their applicability; (b) survey and evaluate existing truck related accident risk minimization models, combined with static traffic assignment models relating the accident risk and the performance measures of the highways for freight transportation at the macro-level; and (c) propose a geographic information system (GIS) framework that may assist in the evaluation of truck related accident risk on state highways and the implementation of truck restrictions and rerouting to reduce the risk associated with truck traffic, while at the same time optimizing passenger and truck operational performance.

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