

Introduction figures/figures/chapter1/

Problem Statement The Utah Department of Transportation (UDOT) is responsible for maintaining a transportation s

In 2017, [?] completed a risk and resilience analysis for the I-15 corridor on behalf of UDOT. This analysis quantified r

Objectives The primary objective of this research is to develop a methodology and tool to evaluate the network redund

Scope The purpose of the resiliency model is to provide a working model that can be used to evaluate the potential eco

Outline of Report

This report is organized as follows:

Chapter 1. This introductory chapter.

Chapter 2. A Literature Review, summarizing previous attempts to model network resiliency using the choices and accessib

Chapter 3. This chapter presents a proposed model design and implementation of the model within the CUBE transportati

Chapter 4. This chapter presents a method for identifying vulnerable and potentially critical highway links by considering t

Chapter 5. A Model Application, describing and comparing the results of the model developed in Chapter 3 to the highway

Chapter 6. A Conclusions chapter summarizing the findings and providing additional recommendations to UDOT.