Accepted Manuscript

A Mean-Risk Mixed Integer Nonlinear Program for Transportation Network Protection

Jie Lu, Akshay Gupte, Yongxi Huang

 PII:
 S0377-2217(17)30652-5

 DOI:
 10.1016/j.ejor.2017.07.025

 Reference:
 EOR 14575

To appear in: European Journal of Operational Research

Received date:24 February 2015Revised date:5 July 2017Accepted date:6 July 2017

Please cite this article as: Jie Lu, Akshay Gupte, Yongxi Huang, A Mean-Risk Mixed Integer Nonlinear Program for Transportation Network Protection, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.07.025

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Highlights

- Develop a mean-risk model for transportation network protection.
- Reformulate the recourse function to overcome non-convexity and non-separability.
- Apply Generalized Benders Decomposition method to the convex reformulation.
- Demonstrate the model and solution method on a large-scale benchmark network.

A CONTRACTION OF THE SCREEK

Download English Version:

https://daneshyari.com/en/article/6895391

Download Persian Version:

https://daneshyari.com/article/6895391

Daneshyari.com