## **Accepted Manuscript**

Modeling the Damage and Recovery of Interdependent Critical Infrastructure Systems from Natural Hazards

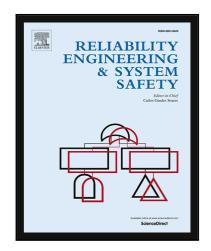
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#### ACCEPTED MANUSCRIPT

### **Highlights:**

- An integrated network model for civil infrastructure systems was proposed.
- The proposed model builds upon the Dynamic Inoperability Input-output model.
- The model incorporates critical nodes and facility-level dependency relationships.
- Electric power, water and telecommunication systems were used for the model.
- Damage and recovery of interdependent civil infrastructure systems were modeled.

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