Contraflow on I-10 in Louisiana in Hurricane Katrina, 2005



## I-10 Evacuation before Katrina — not contraflow



Busses are an important resource in evacuation



The interstates were lost as a resource during Hurricane Ike due to storm surge and the debris it left behind



## Causeway was inundated in Hurricane

Ike





Hurricane Sandy the roads turned into rivers...or the ocean!



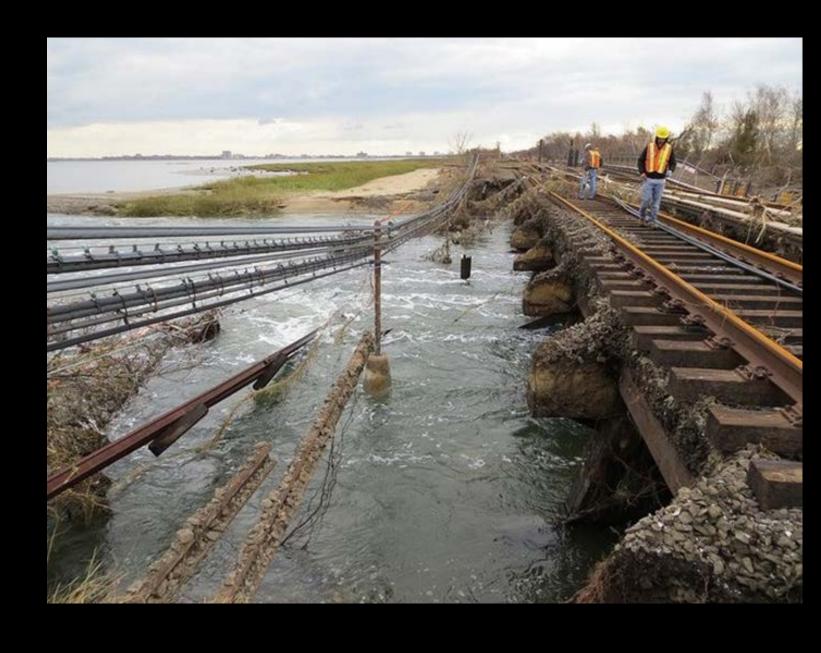
Murray Hill intersection in New York City in Hurricane Sandy



## Evacuating Bellevue Hospital in Hurricane Sandy



Railroads can be an evacuation resource, but the Long Island Railroad was washed out in the Rockaways during Hurricane Sandy



Contingency planning for evacuating the last 20% in Katrina included fire department boats in 2005.



## And in San Jose, CA in 2017

