Task 2.1 Interaction of Water Bodies with Transportation Infrastructure

Masoud Ghandehari (NYU/POLY) Sina Kashuk (CUSP/CREST) Rouzbeh Nazari (NYU/POLY) Naresh Devinani (CUNY/CREST) Ali Hamidi (CUNY/CREST) Ali Zahrai (CUN/CREST) Reza Khanbilvardi (CUNY?CREST) Balazs Fekete (CUNY)

CONTENT:

- Coastal Storm Flooding
- Rainfall Induced Flooding (NYC level)
- Rainfall Induced Flooding (NYS level)













Subsurface Structures not included Work remaining: Coat Analysis for Rehabilitation

A Real-time actionable framework for rainfall induced flooding of urban and non-urban terrains A hybrid probabilistic,-deterministic approach



Framework for New York State



Framework for New York City



<u>Status</u>:

- Coastal Storm Flooding Subsurface Structure (phase II) Cost Analysis for Rehabilitation (phase II)
- Rainfall Induced Flooding, NYC level NYC drainage system Database (September 2014) water shed modeling (Phase II)
- Rainfall Induced Flooding, NYS level flood model for 12x12 mile element (September 2014) Expansion of model to the entire state (Phase II)