Roadway Flooding Sensors

September 25, 2020

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Coastal Resiliency Committee
Regional Network of Sensors

- Measure roadway flooding and provide real-time drivers.

- Deliver data to drivers about observed flooding with Waze.

- Sensor data will be made available to localities, state agencies, DoD, universities, etc for research or to create alerts or other tools.
Number of sites:
97 High
122 Low
Current Status

- HRPDC received 10 responses to the RFI in August 2019.
- HRPDC issued RFP and received 6 responses in June 2020. Selection panel includes representatives from Norfolk, VIMS, USGS, ODU and HRPDC.
- Recommend awarding the contract to Xylem.

Estimated cost for 20 sensor pilot project = $207K
Estimated cost for total 200 sensor project = $1.25M

Cost includes equipment, installation, data management and O&M for 5 years.
Funding Options

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Funding Proposal:

➢ Apply for DoD Office of Economic Adjustment Implementation Grant.
  □ $75K (only data/O&M) to $187K (90% total)
    ▪ OEA property management standards or NEPA might not be worth full funding. 10% match required.

➢ HRSD contributes $25K.

➢ HRPDC Coastal Resiliency Project Fund provides $108K plus contingency, if needed.
  ▪ $170K currently in Project Fund