



NORTH CAROLINA

Department of Transportation



Weathering the Storm: Response and Recovery from Hurricane Matthew

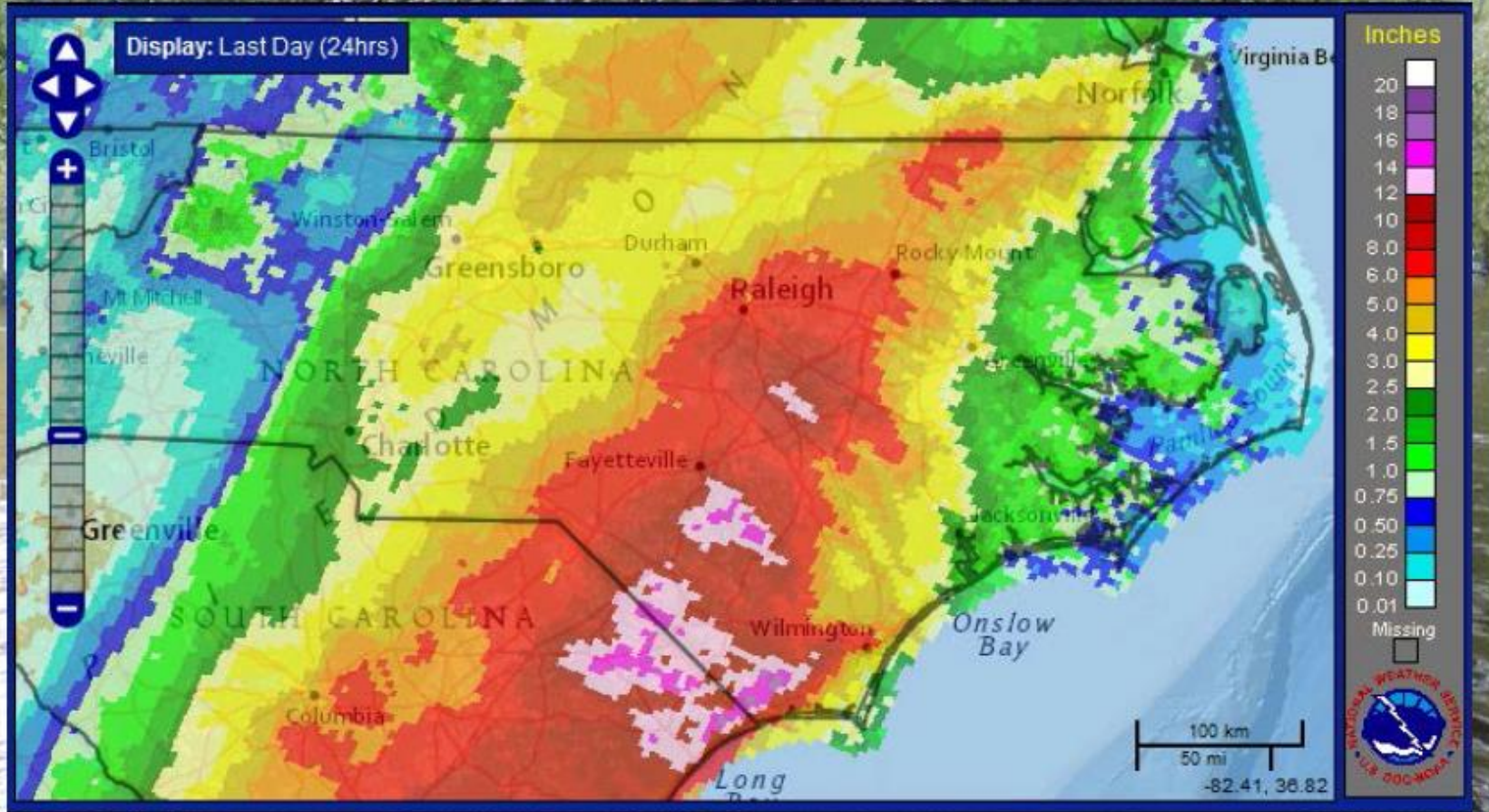
House Select Committee on Disaster Relief

Emily McGraw, PE

March 19, 2018

ESTIMATED RAINFALL

LAST 24 HOURS – AS OF 6PM



RAINFALL REPORTS

HURRICANE MATTHEW

Valid Sunday, October 09, 2016 (1:30 PM)



Location	Rainfall
White Oak (Bladen)	16.71"
Goldsboro (Wayne)	15.24"
Hope Mills (Cumberland)	14.71"
Chadbourn (Columbus)	12.90"
Lumberton (Robeson)	12.47"
Elm City (Nash)	11.95"
Edenton (Chowan)	11.88"
Windsor (Bertie)	11.07"
Point Harbor (Currituck)	10.73"
Easons Crossroads (Gates)	10.60"
Garner (Johnston)	10.22"

NCDOT Preparing for Matthew

Division of Highways – Preparation began Tuesday October, 4

- Frequent communication with Field Staff
- Field prepared their equipment and personnel
- Reviewed Emergency Operations Procedures



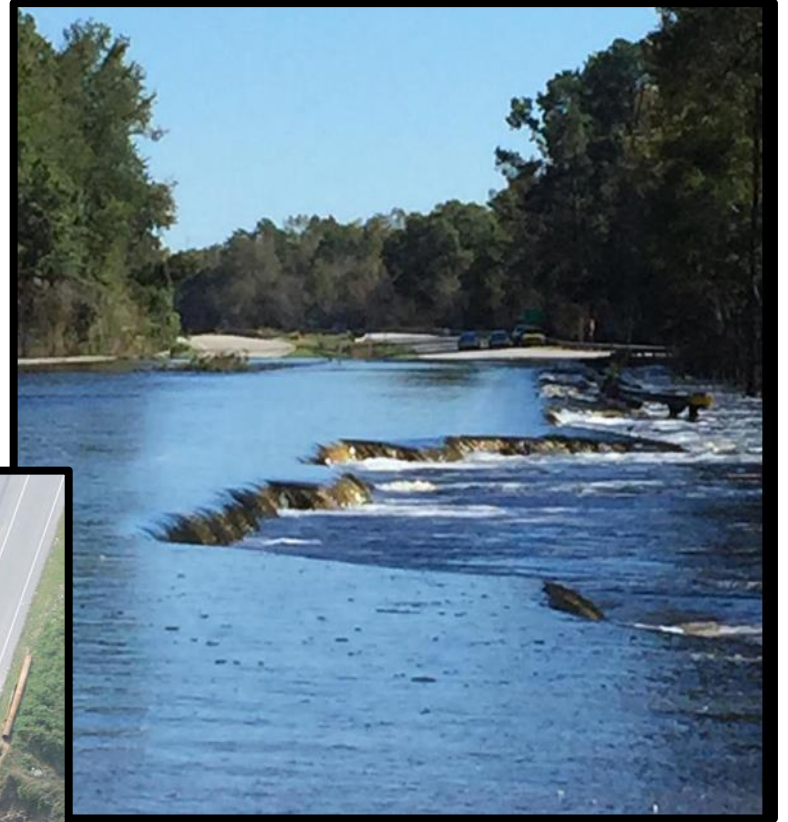
During the Storm

Communication with other state agencies and Local Government
Activation of State Emergency Response Team (SERT)



Response and Recovery

- Road Closures
- Coordinating Detours
- Shifting Resources
- 511 & Call Center
- NCDOT Flooded Facilities
- Restoring Mobility Immediately After Event
- Identify Damaged Sites



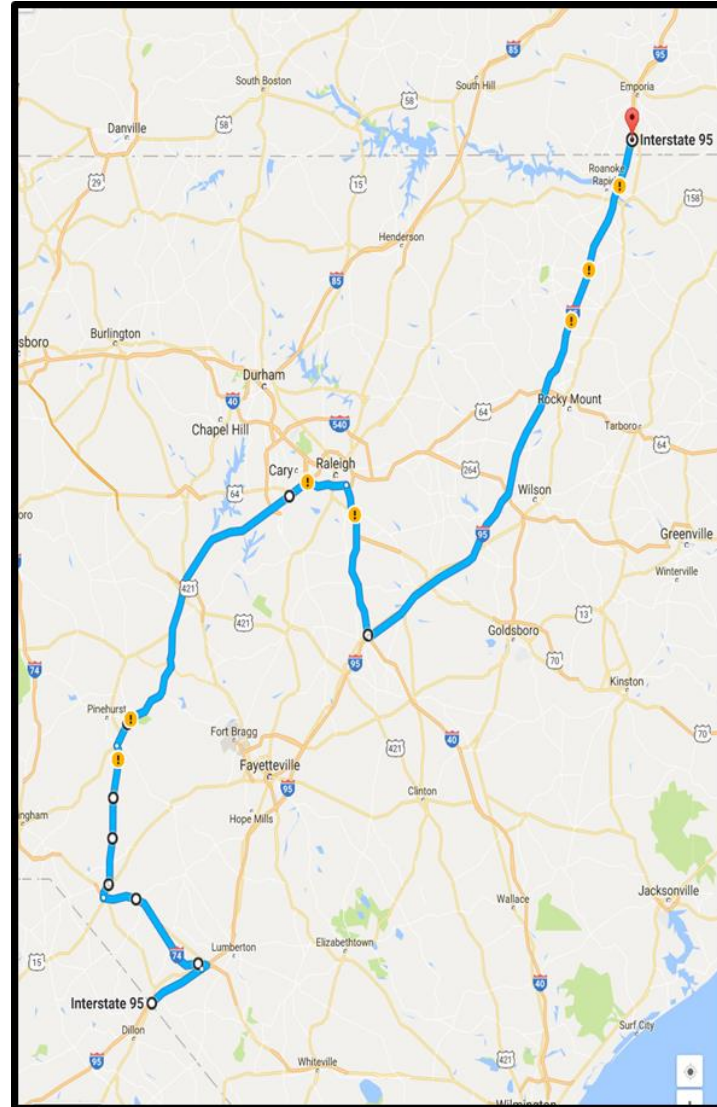
Response and Recovery – Road Closures

At Height of Storm – Over 600 Closures



Response and Recovery - Detours

- I-95 Northbound and Southbound Detours
- Coordination with Highway Patrol
- Coordination with Local law Enforcement
- Coordination with Virginia DOT and South Carolina DOT



Response and Recovery – Shifting Resources

- Approximately 90% of the workforce in Divisions 1, 2, 3, 4, 5, 6 & 8 were utilized
- NCDOT mobilized over 360 personnel and 250 pieces of heavy equipment from western and piedmont Divisions to assist

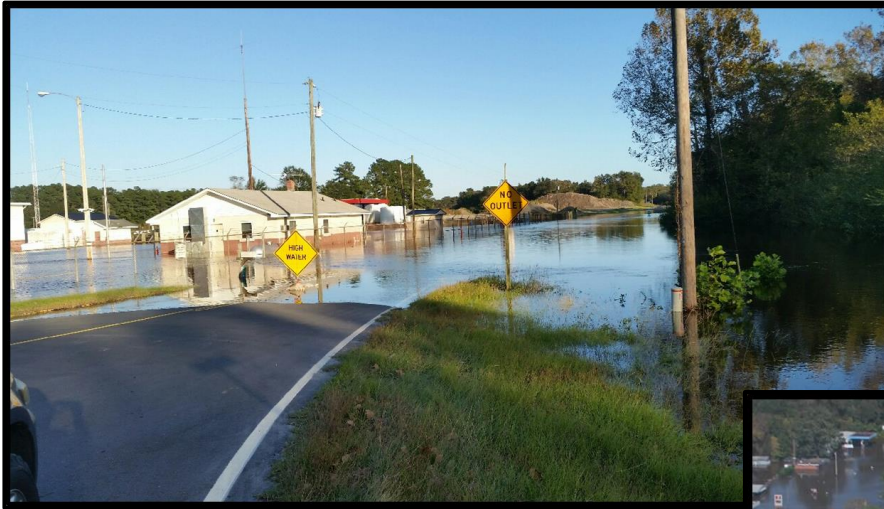


Response and Recovery – 511 & Call Center

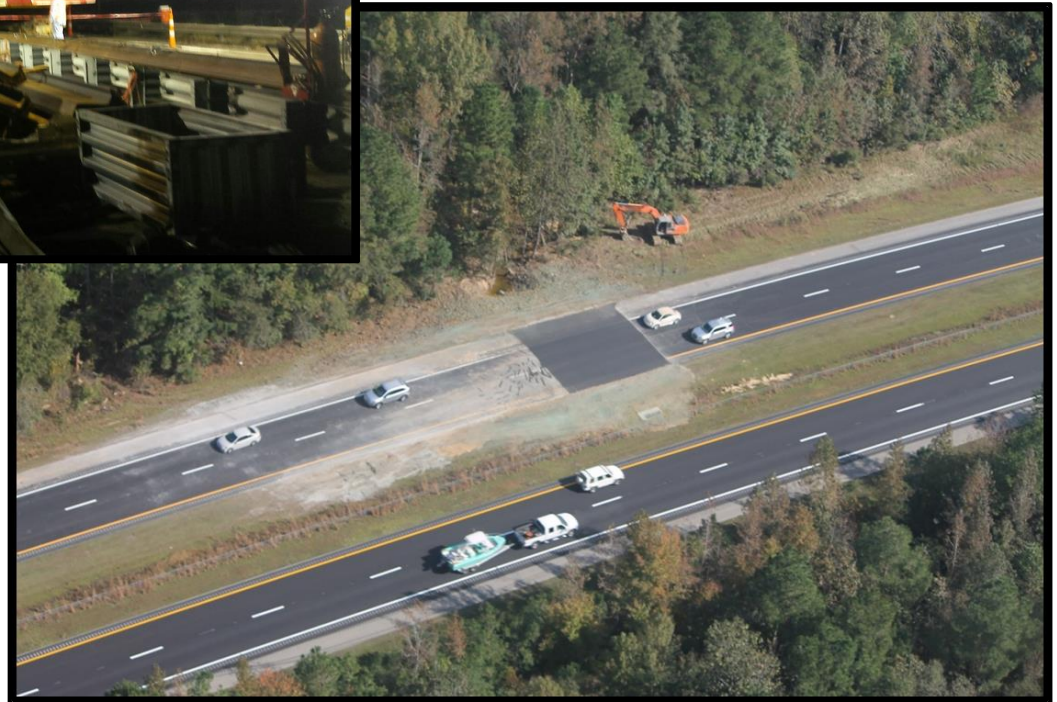
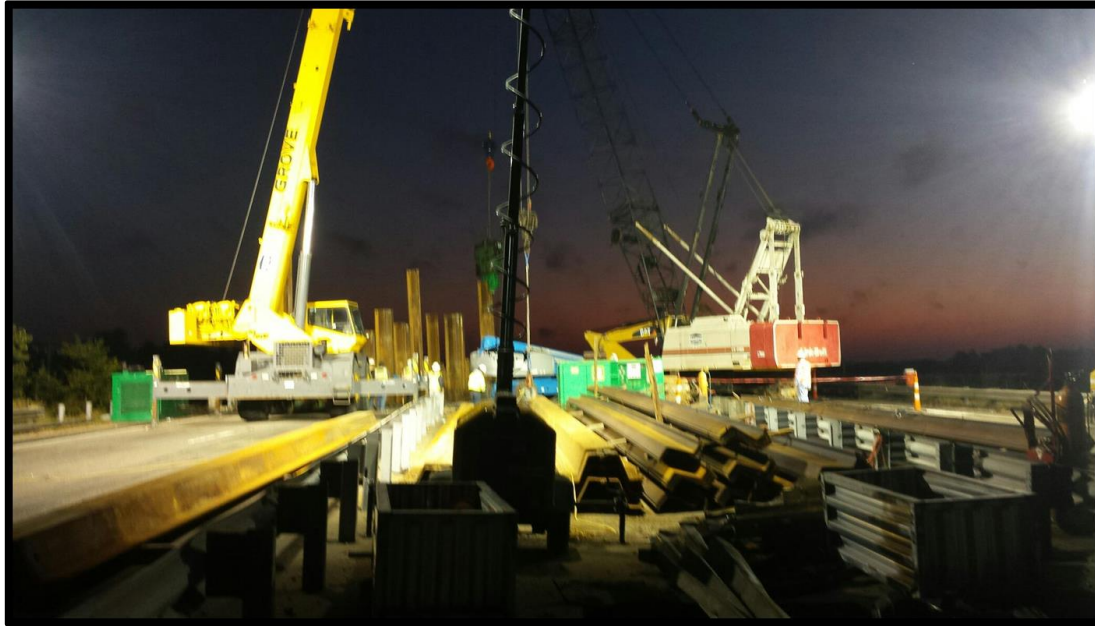
- 511 – Over 120,000 customer service inquiries
- Call Center – Over 5,000 calls received



Response and Recovery – Flooded Facilities



Response and Recovery - Restoring Mobility



- I-95 and I-40 Repairs

Response and Recovery – Damaged Sites

- Over 2,000 Identified FEMA Route Sites
- Over 700 Identified FHWA Route Sites



Response and Recovery – Damaged Sites

- As of 3/12/18 repairs have been completed on:
 - 1,954 FEMA sites
 - 682 FHWA sites



Financial Recovery



- Provides reimbursement for damages to Federal Aid routes, typically US, NC, and Interstate routes.
- ~\$700,000 DOT Statewide Declaration Threshold for Emergency Reimbursement Eligibility
- \$5,000 Minimum project threshold
- Eligible Work:
 - Emergency Repairs (First 180 Days)
 - (100% reimbursement)
 - Permanent Repairs
 - (90% reimbursement on Interstates)
 - (80% reimbursement on other Federal Aid routes)



Financial Recovery



FEMA

- Provides reimbursement for damages to state maintained secondary routes.
- ~ \$13M Statewide Declaration Threshold for Reimbursement Eligibility
- \$3,100 Minimum project threshold
- Eligible Work:
 - Cat A – Debris Removal
 - (~80% reimbursement)
 - Cat B – Emergency Protective Measures
 - (75% reimbursement)
 - Cat C – Roads/Bridges
 - (75% reimbursement)
 - Cat E – Buildings/Equipment
 - (75% reimbursement)



Financial Recovery

Agency	Preliminary Cost Estimates	Cost to Date as of 3/12/18	Anticipated Reimbursement	Anticipated Cost to DOT
FEMA	\$169,544,149.40	\$129,667,415.43	\$127,691,309.29	\$41,852,457.21
FHWA	\$60,682,396.86	\$47,576,325.82	\$48,479,543.49	\$12,202,853.37
Total	\$230,226,546.26	\$177,243,741.25	\$176,170,852.78	\$54,055,310.58

Questions?

