Hurricane Matthew

- Height of storm: 600+ road closures
- Currently: ~ 200 road closures
- Total of 26 fatalities statewide
- 360 personnel sent from west & piedmont to assist east
- I-95 / I-40 detours
- 1470 FEMA sites & 627 FHWA sites identified
- $5M advanced from FHWA
- Utilizing Express DB to replace 2 bridges in Div 6
Restructure and Project Delivery

• Accelerating Project Delivery
• Project Portfolio (10 year plan – excluding bridge replacements)
  • 669 projects
  • 65% Division Managed (20% of funds)
  • 35% Central Managed (80% of funds)
  • ~85 Design Build projects

• Division Staff
  • Division Engineers ultimate project owners
  • Division Operations Engineers are now Division Project Development Engineers
  • Much of the planning and design work will be completed by consultants

• Central Planning and Design Staff
  • Multidisciplinary planning and design teams
  • Teams assigned to work in certain regions
Innovation for Improved Project Delivery
**Drainage Fabric**

- Drainage fabric instead of the permeable asphalt layer (PADC) under concrete pavement on 3 active projects.
- Weigh Station in Gaston County, Winston-Salem Northern Beltway, and I-85 near Salisbury.
Roller Compacted Concrete (RCC)

• First RCC project awarded in September 2016
• RCC for the outside shoulder on 7.4 miles of I-85 through Guilford and Randolph Counties
• Part of larger diamond grinding and PCCP rehabilitation project
Diamond Grinding

• Diamond grinding is a concrete pavement preservation technique to extend the life of a PCCP pavement.

• NCDOT has incorporated the use of DG on many Interstate Rehab maintenance projects with almost 2,000,000 SY in last few years.
Industry Collaboration
Spec Modifications

• NCDOT and CCPA have collaborated to create a Specs Committee to work on specification modifications and improvements.

• Major Revisions include:
  
  • Longitudinal Tining as the standard finished texture
  
  • Reduce the strength for placing traffic on concrete from 3500 psi to 3000 psi
  
  • Modify weather restrictions to allow for accelerated construction

• Concrete Pavement for Local Roads & Streets
  
  • Design Manual, Specifications, and Detail drawings
  
  • Go to NCDOT website under “Secondary Roads and Subdivisions”
Training

• FDR Regional Symposia in 2015 (Greenville, SC) and 2016 (Richmond, VA) were attended by NCDOT personnel

• Five Regional Division Training Tours were conducted in the past 2 years for Division specific training

• National Concrete Pavement Technology Center will be hosting a one-day training workshop on “PCCP Preservation” in Div. 9 on February 20, 2017