



NORTH CAROLINA

Department of Transportation



NCDOT UAS Role in Hurricane Response

Report to the House Select Committee on Strategic Transportation
Planning and Long Term Funding Solutions

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Division of Aviation Core Functions

- Promote Aviation and Aerospace Development
- Provide Air Transportation for all State Agencies
- Conduct Aviation Safety and Education Programs
- Manage State and Federal Airport Grants and Programs
- Operate the Unmanned Aircraft Systems (UAS) Program



31 Full-Time Employees



This Isn't a River, It's a Highway

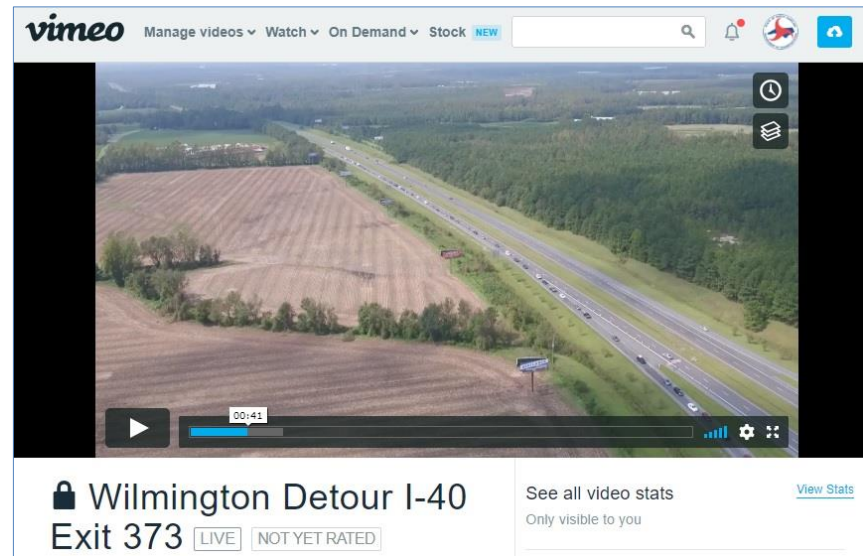
Interstate 40 is looking more like a river than a road. The North Carolina Department of Transportation published this drone video captured Monday of Interstate 40, as part of... [See More](#)

NCDOT Post-Hurricane Response

- 7 days
- 14 teams
- 260 missions
- 2600+ videos and images
- Live streaming

Supported Agencies

- NC Dept of Transportation
 - Highway Division
 - Traffic and Mobility
 - Rail Division
 - Ferry Division
- NC Dept Public Safety
 - Emergency Management
 - NC State Highway Patrol



- NC Dept of Environmental Quality
 - Dam Safety
- National Guard
- Coast Guard
- FEMA

NC 421 into Wilmington on 9/21/18



Highway 70 Kinston on 9-21-18



Boiling Springs Dam Breach



Railroad Crossing in Fayetteville



Ferry Terminal on Ocracoke Island



Key Takeaways



NC. 12 after the hurricane

Key roles UAS played in this response:

- Rapid assessment of traffic and infrastructure
- Public communication
- Streaming video feeds

Looking ahead:

- Sharing data across all emergency responders
- Regular exercises to practice and refine our emergency processes and responses
- More weatherproof UAS for response during adverse weather
- Expanding capability through FAA Integration Pilot Program participation (package delivery)

Questions/Comments



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