



NORTH CAROLINA

Department of Transportation



Project Delivery and the Hydraulics Unit

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Hydraulics Unit Organization

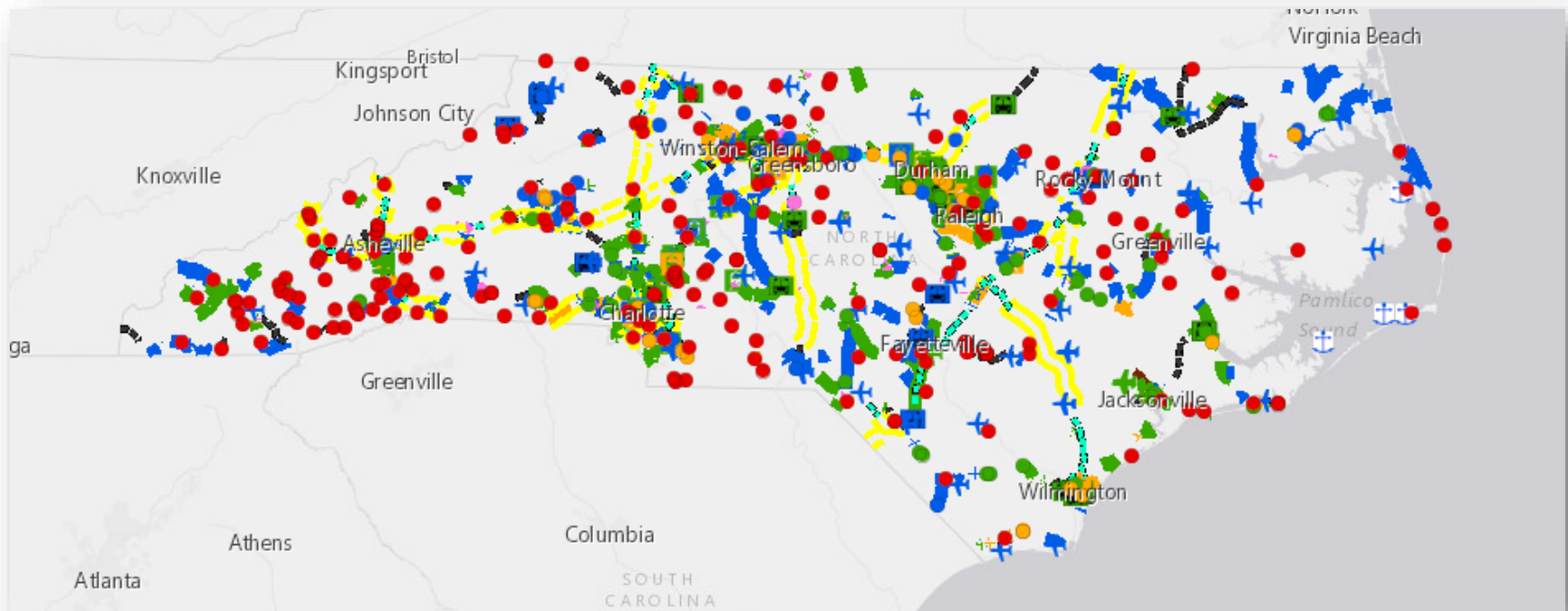
- Eastern Design and Operations- John (Jay) Twisdale
 - Divisions 1-6, 8
- Western Design and Operations- Matthew (Matt) Lauffer
 - Divisions 7, 9-14
- Highway Floodplain Program- Jerry Snead
- Highway Stormwater Program- Andy McDaniel

Why Contact the Hydraulics Unit?

- **We can help you deliver projects efficiently**
 - Scope, schedule, budget, design, permitting
- **Take advantage of our delegated programs**
 - Stormwater program
 - Floodplain Program
- **We are a great resource**
 - In-house expertise for design, review and guidance
 - Tremendous archive of hydraulic reports and studies
 - We travel

Unique NCDOT aspects

- NCDOT is the largest land developer in the state



Required Hydraulics Unit Consultation



- **Floodplain Compliance (FEMA, NFIP)**
 - MOA, CLOMR
 - As-Built Certification
- **Stormwater Compliance (CWA, NPDES)**
 - All projects MUST have a Stormwater Management Plan (SMP)
 - And follow the Post Construction Stormwater Program (PCSP) Guidelines

Required Hydraulics Unit Consultation

- **Questions about drainage design standards**
- **Drainage law interpretation**
Precedence= policy= law
- **Proper archiving of Hydraulic reports and studies**
 - All Hydraulic Reports and Studies need to be archived with the Hydraulics Unit
 - Use Preconstruction Site and add appropriate metadata
 - Send to us directly

Summary

- **Let us help you deliver projects efficiently**
 - Scope, schedule, budget, design, review, permitting
- **Take advantage of our delegated programs**
 - Stormwater program
 - Floodplain Program
- **Help us continue to be a strong resource for NCDOT**
 - Archive hydraulics reports and studies appropriately
 - Call us! “Help us help you!”

Hydraulics Unit

Visit our website

<https://connect.ncdot.gov/resources/hydro/Pages/default.aspx>

Call us

919-707-6700



Employee Directory

Staff contacts for *Hydraulics Unit*.



Contact Form

For questions & feedback about this area of Connect NCDOT, contact *Hydraulics Unit*.