

Managing Utility Risk on NCDOT Projects

Keith Garry – State Utilities Manager

What is Risk?



What is Risk?

Merriam-Webster:

“to do something that may result in loss, failure, etc.”



What is Risk?

Merriam-Webster:

“to do something that may result in loss, failure, etc.”

Cambridge:

“the possibility of something bad happening”



Most things we do involve some level of Risk



Risk assessment, tolerance and management



Understanding Utility Risk on NCDOT projects

NCDOT does not have operational control over utility companies

Understanding Utility Risk on NCDOT projects

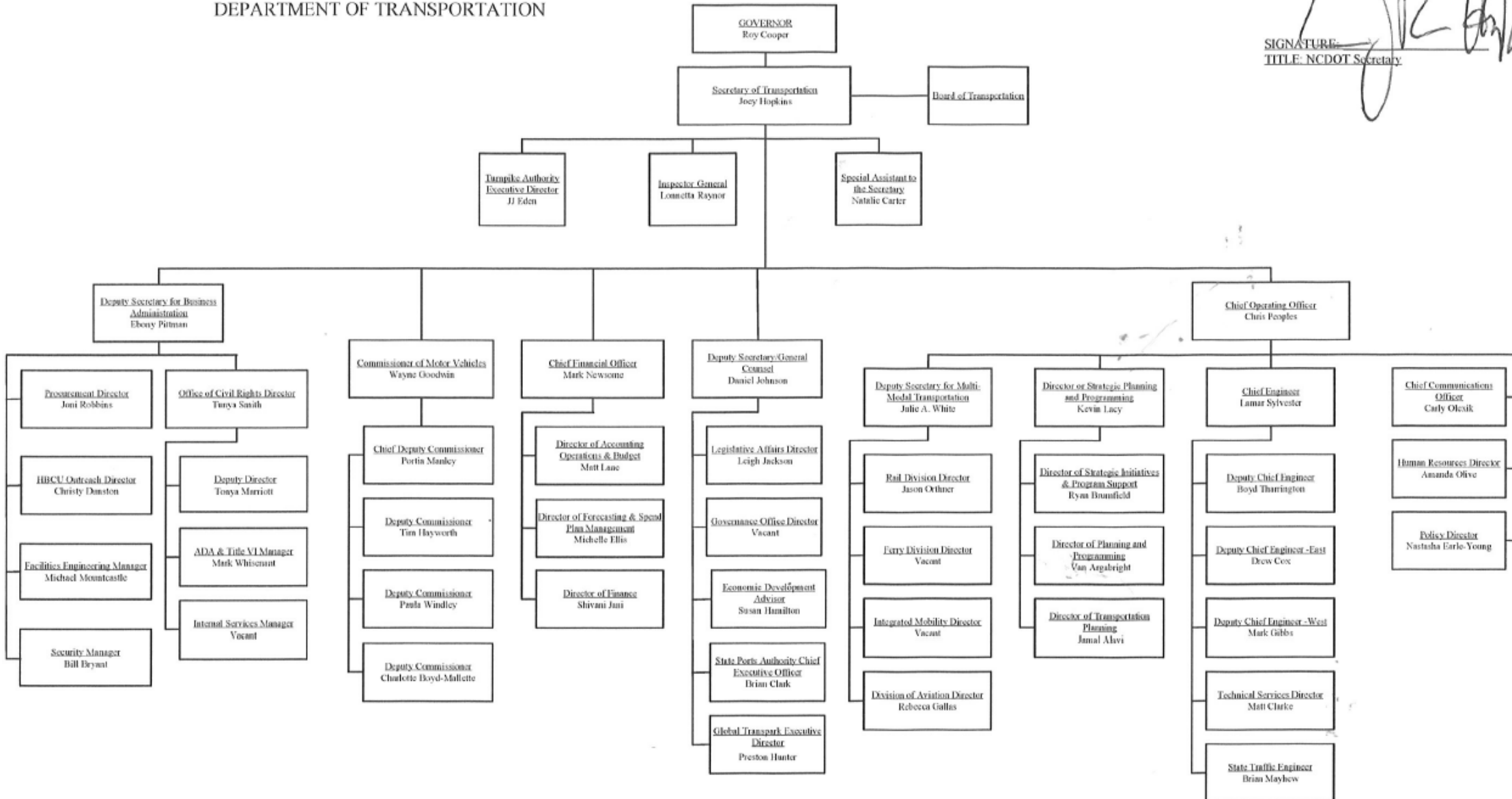
NCDOT does not have operational control over utility companies

We do not control utility company:

- **Resources**
- **Ability to respond**
- **Timeliness in responding**

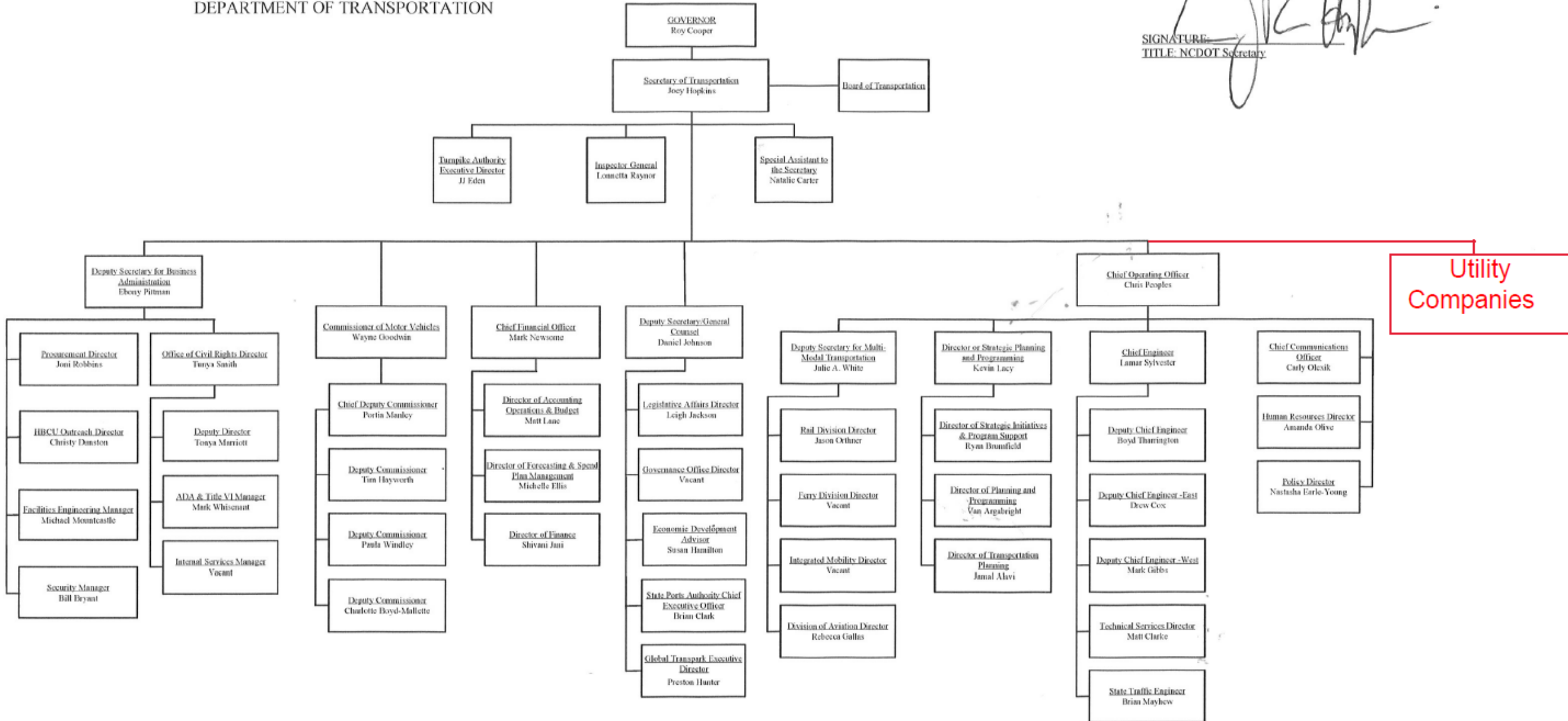
DEPARTMENT OF TRANSPORTATION

SIGNATURE: 
TITLE: NCDOT Secretary




DEPARTMENT OF TRANSPORTATION

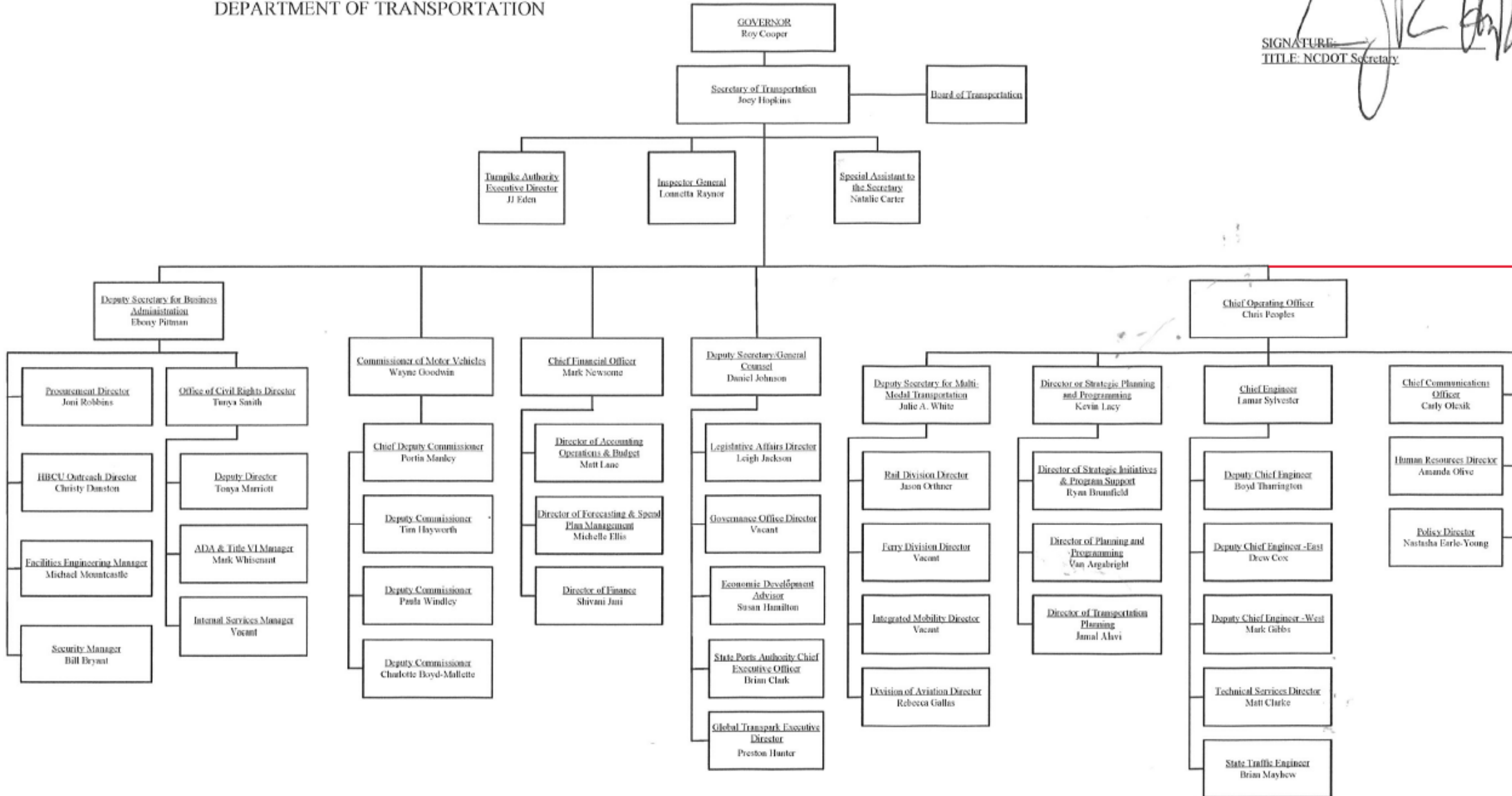
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Utility
Companies

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~~Utility Companies~~

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NC General Statutes

- ***“The General Statutes of North Carolina is the official North Carolina legal code, a collection of the statewide laws in force at the time of publication regardless of when they originally became law.”***

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NC General Statutes

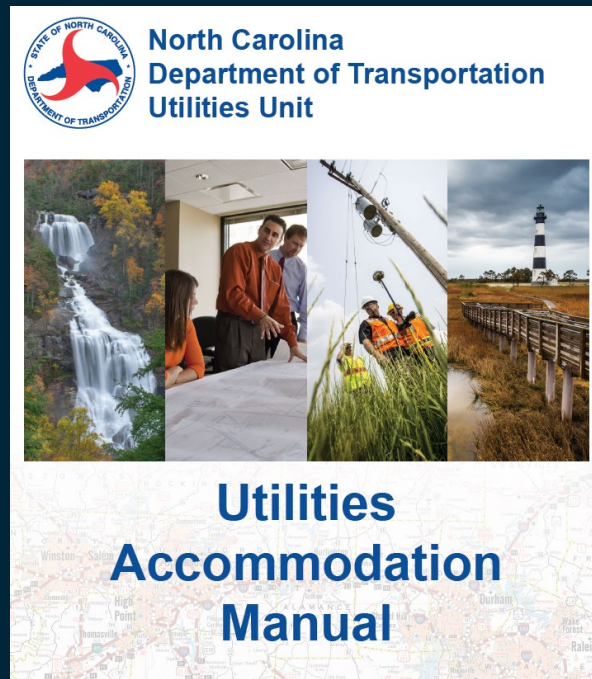
- *“The General Statutes of North Carolina is the official North Carolina legal code, a collection of the statewide laws in force at the time of publication regardless of when they originally became law.”*
- **There are no Statutes that provide NCDOT with enforcement rights or control over utility companies**

Understanding Utility Risk on NCDOT projects

NCDOT does have authority over utility companies regarding how they use NCDOT rights-of-way

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NCDOT does have authority over utility companies regarding how they use NCDOT rights-of-way

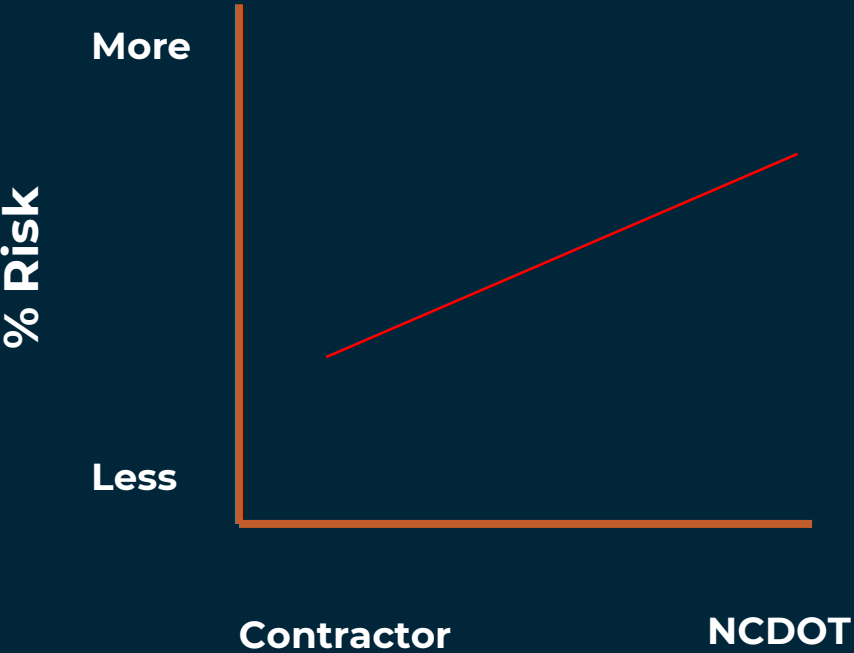


NCDOT Authority

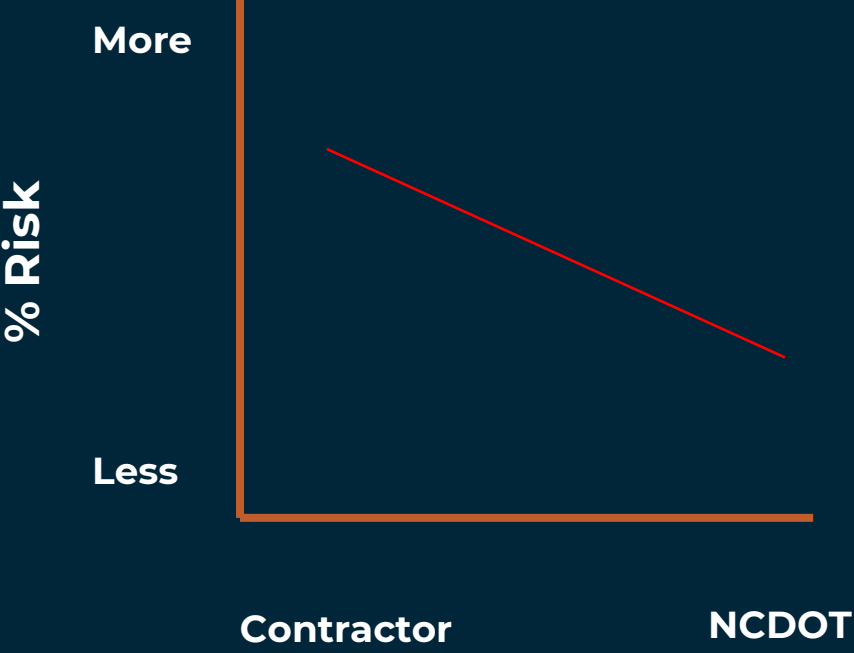
The State Utilities Manager, under the direction of the Chief Engineer, will oversee the management, interpretation, execution, agreements, processes, and procedures for accomplishing the policies in this UAM. The State Utilities Manager will be responsible for obtaining concurrence on utility issues from FHWA, where required by FHWA policy, in accordance with North Carolina General Statute (G.S.) §62-180.

Understanding Utility Risk on NCDOT projects

Traditional (design-bid-build) projects



Alternative Delivery projects



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Alternative Delivery projects

NCDOT:

- Communication, coordination and collaboration with utility companies
- Works to complete relocations for Utilities by Others (UbOs) prior to Let
- UbOs in progress post-Let are a risk to NCDOT, managed using Project Special Provisions

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Contractor:

- Communication and collaboration with UbOs in progress
- Utility Construction items (water, sewer, etc.), control over schedule
- New build utility installations

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Alternative Delivery projects

NCDOT:

- Early coordination, education and outreach to utility companies
- Possible early relocations for certain high risk / long lead utilities

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Contractor:

- Communication, coordination and collaboration with utility companies
- Preliminary UbO and Utility Construction design during procurement phase
- Final UbO and Utility Construction design and construction occurs post-award
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Ongoing NCDOT Utility Initiatives

- Regular collaboration meetings with Utility companies
- Sharing of Utility information and relationships:
 - across Central and Division office personnel
 - with our Contractor partners



Questions ??



APWA UNIFORM COLOR CODE	
WHITE :	Proposed Excavation
PINK :	Temporary Survey Markings
RED :	Electric Power Lines, Cables, Conduit and Lighting Cables
YELLOW :	Gas, Oil, Steam, Petroleum or Gaseous Materials
ORANGE :	Communication, Alarm or Signal Lines, Cables or Conduit
BLUE:	Potable Water
PURPLE :	Reclaimed Water, Irrigation and Slurry Lines
GREEN:	Sewer and Drain Lines
KNOW THE COLOR CODE!	

Thank you!

Keith Garry – State Utilities Manager
ktgarry@ncdot.gov
919-707-6696