

### 5.3.1 NCDOT's Experience (So Far) as an Early Implementer of Esri's Roads and Highways Solution

#### **Presenter**

##### **John Farley, GISP, CPM**

GIS Unit Manager  
North Carolina Department of Transportation  
(NCDOT)  
jcfarley@ncdot.gov

#### **Co-Presenter**

##### **John Padgett, PMP**

Project Manager at NCDOT  
Principal Consultant and Partner at Breckenridge  
& Associates, LLC  
John.Padgett@Breckenridge-LLC.com

The presenters will provide a look from the trenches on the challenges and benefits of being one of the first DOTs to implement Esri's Roads and Highways solution (RAH). This project is still in progress, but there is high interest among the DOTs regarding this GIS solution and how the plans are rolling out. Today, there are a growing number of DOTs eager to learn from the lessons and findings that NCDOT is continuing to identify as this project moves forward.

Key points from this presentation include:

1. What key benefits will the RAH solution provide to NCDOT and other DOTs?
2. How does a DOT prepare for this project? (Lessons learned, procurement challenges, etc.)
3. How has the current working group of DOTs provided direct value to the implementation process for RAH?
4. What are NCDOT's plans for the project and how might these benefit the other DOTs?
5. A very brief demo of a key workflow provided by the RAH solution.

#### **Bio(s):**

Mr. Farley is currently the GIS Manager for the North Carolina Department of Transportation (NCDOT). Over the last twenty years, Mr. Farley has worked at all levels of government and the private sector. His work spans many fields of GIS to include local government, transportation, utilities, environmental, and security. Mr. Farley also continues to advise the Federal Government on GIS Transportation data and data modeling.

In 2004 he received his GIS Professional certification and in 2009 he received his Certified Public Manager certification. Mr. Farley has a Bachelor of Arts and Master of Science in Geography from Oklahoma State University.

John Padgett has spent over 20 years in management consulting and executive leadership. He is a certified Project Management Professional (PMP) and has spent the last three years consulting with the North Carolina Department of Transportation (NCDOT) to implement strategic GIS-related projects. In this role, he is currently managing the ROME project, which is the first DOT implementation of Esri's Roads and Highways solution. In addition to managing the NCDOT project team, John also provides vendor oversight of Esri and other contractors, and helps to facilitate a DOT working group.

Throughout his career, he has worked closely with executives and project teams to design solutions that meet client objectives and fit well within their corporate culture. At Breckenridge, he has provided primary leadership over key relationships. In addition to NCDOT, John consulted with the NC Department of Commerce, where he worked directly with the Secretary of Commerce to implement strategic initiatives to the department. John's career also includes a leadership role with Oracle. As Practice Director for the Mountain and Southwest regions based in Denver, Colorado, he led an Oracle consulting practice to 300% growth in its first two years.

Prior to Oracle, John spent eight years with Lockheed Martin. In this role, he established and managed a Program Management Office (PMO) that oversaw a mission-critical portfolio of projects for a federal customer, helping Lockheed Martin win consecutive 100% award fees on the program.

John began his career as an intelligence analyst with the CIA, where he achieved the distinction of a category one (top 10%) analyst. In this role, he reported on national level-intelligence issues that dominated the headlines of that period.