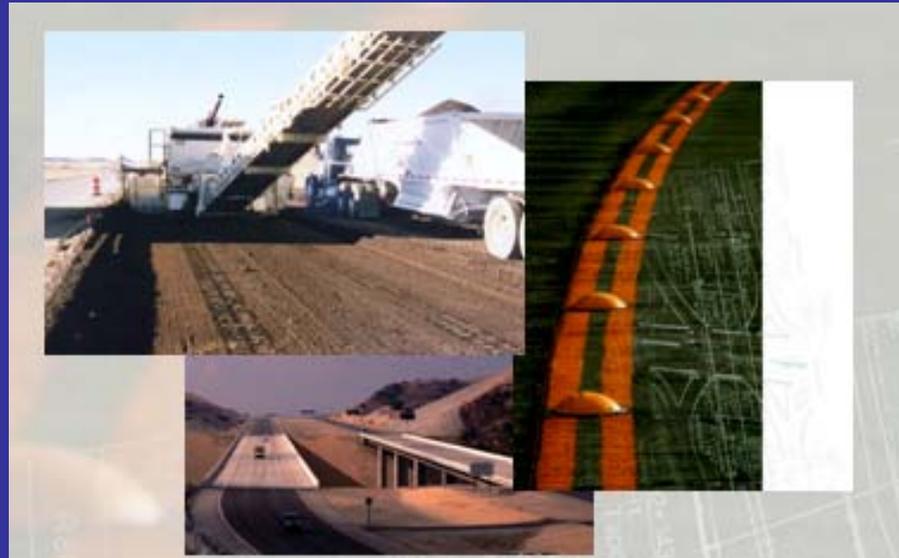


# NCDOT Environmental Management Plan

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## Focus Group Workshop



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

# What is the Environmental Management Plan?

The NCDOT EMP will be a comprehensive, industry-leading program that will serve as a framework to:

- Integrate all environmental initiatives within NCDOT
- Identify and communicate specific environmental objectives, goals and measures for all NCDOT divisions
- Cost effectively measure successes and continual improvement in environmental initiatives
- Promote, reinforce and continue to institutionalize the already strong environmental ethic throughout the NCDOT





# EMP Sponsors

- Secretary Lyndo Tippett
- Deputy Secretary David King
- Highway Administrator Len Sanderson



# Meeting Objectives

- Validate EMP objectives and framework
- Gather information on what NCDOT is already doing that supports the EMP
- Discuss how your input will be used to develop the final EMP



# Today's Agenda

Time	Agenda Topic
1:00 pm	Meeting Introduction
1:15 pm	Introduce the Environmental Management Plan
1:30 pm	Review the EMP Mission, Purpose, and Goals
1:45 pm	Review Draft EMP Framework
2:00 pm	Break-out Session (Split Into Two or Three Groups)
3:00 pm	Present Results of Discussion Session
3:45 pm	Meeting Conclusion
4:00 pm	Adjourn the Meeting

# Ground-rules for the Workshop

## *Our role...*



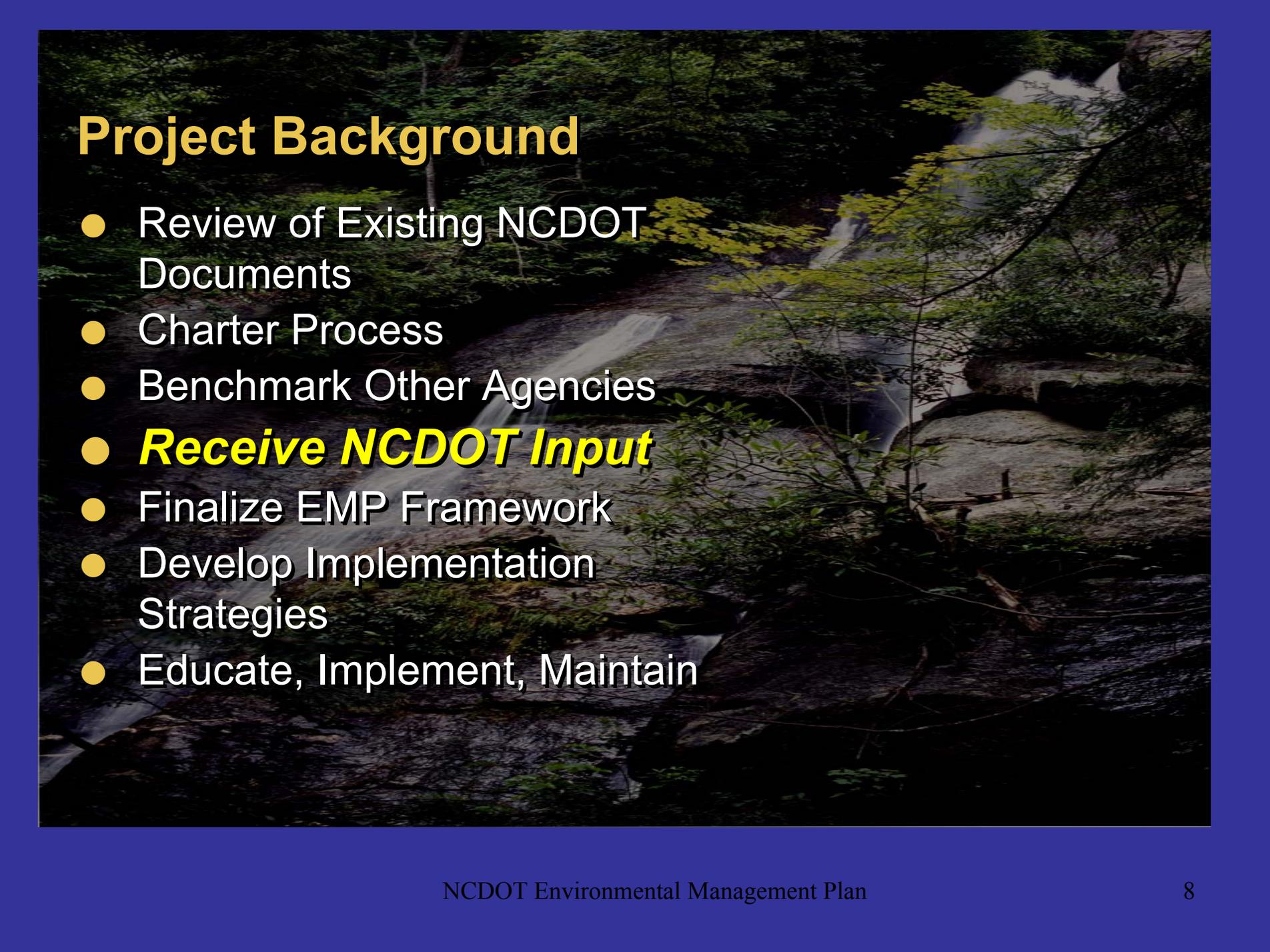
- **Keep discussions focused and on target**
- **Own the agenda and adjust as necessary**
- **Ask questions to probe certain issues**
- **Ensure equal participation**
- **Record out of scope issues on “Parking Lot”**

# Ground-rules for the Workshop

## Your role...

- Provide content of the discussions/participate
- Listen to/respect other's opinions & views
- Keep the points you make concise
- Please silence electronic devices that make sound without notice





# Project Background

- Review of Existing NCDOT Documents
- Charter Process
- Benchmark Other Agencies
- ***Receive NCDOT Input***
- Finalize EMP Framework
- Develop Implementation Strategies
- Educate, Implement, Maintain

# The NCDOT has Developed at least 17 Documents that include Environmental Management Policies and Guidelines

A few of these NCDOT documents are listed below.

- NCDOT Business Plan, 2005
- Strategic Plan for Transportation, 1999
- AASHTO/NCDOT Promoting Transportation and Environmental Excellence by W. Kober, 2002
- NCDOT Environmental Stewardship Policy, 2002
- NCDOT Project Delivery Study, 2004



North Carolina Department of Transportation

**ENVIRONMENTAL**  
*Stewardship*  
*Policy*

The mission of the North Carolina Department of Transportation is to provide an integrated transportation system that enhances the state's well being. Our goal is to provide a safe and well-maintained transportation system that meets the needs of our customers and supports the development of sustainable, vibrant communities. In so doing, we are committed to planning, designing, constructing, maintaining and managing an interconnected transportation system while striving to preserve and enhance our natural and cultural resources.

Environmental stewardship encompasses these responsibilities and is reflected in our day-to-day operations by:

- ◆ Safeguarding the public's health by conducting our business in an environmentally responsible manner
- ◆ Demonstrating our care for and commitment to the environment
- ◆ Recognizing that our customers expect us to provide mobility and a quality of life that includes the protection of the natural resources and the cultural and social values of their community.

Each employee is responsible for incorporating these principles of safety, environmental stewardship and customer focus into their daily activities.

Approved by the Board of Transportation on February 7, 2002.

*J. Douglas Holton*  
Chairman of the Board

*Debra L. Hogg*  
Secretary of Transportation

## **NCDOT Core Team**



	<b>NCDOT Function</b>	<b>Senior Level Representative</b>
<b>1</b>	<b>Environmental Quality</b>	<b>Julie Hunkins</b>
<b>2</b>	<b>Project Development &amp; Environmental Analysis</b>	<b>Greg Thorpe</b>
<b>3</b>	<b>Program Development</b>	<b>Calvin Leggett</b>
<b>4</b>	<b>Transportation Planning</b>	<b>Mike Bruff</b>
<b>5</b>	<b>Field Operations</b>	<b>Bill Rosser</b>
<b>6</b>	<b>Roadside Environmental</b>	<b>Don Lee</b>
<b>7</b>	<b>Preconstruction</b>	<b>Debbie Barbour</b>
<b>8</b>	<b>Transit – Rail</b>	<b>Shirley Williams</b>
<b>9</b>	<b>Transit – Aviation</b>	<b>Rick Barkes</b>
<b>10</b>	<b>Business &amp; Administration</b>	<b>Michael Deeker</b>

# Benchmarking Efforts

Excellent examples of environmental management documents from other State DOTs, Cities, and Military Facilities were compared to the NCDOT Draft Framework.

- Environmental Management Strategies
- Environmental Stewardship Policies
- Environmental Management Plans
- Strategic Frameworks

# WHAT DO WE NEED FROM YOU NOW?



- What are you already doing that support the EMP framework?
- What are you doing that is missing from the EMP framework?
- What EMP objectives are not applicable to you?

# Plan Goals

- **Create a clear and concise Environmental Management Plan (EMP) which is workable, realistic, and achievable for all levels of the organization.**
- **Provide a means to clearly document the cost effectiveness of investments made on environmental initiatives.**
- **Effectively incorporate previous environmental initiatives where applicable.**
- **Develop means to communicate environmental performance measures to all levels so that employees recognize and understand what the Department is doing.**
- **Obtain broad acceptance of the EMP from the Board, employees and the public.**



# Draft EMP Framework

- Employee compliance with the department's Environmental Stewardship Policy
- Compliance of NCDOT and industry partners with State and Federal environmental laws, rules, and regulations
- Build upon and enhance environmental sustainability practices
- Air quality management
- Water quality management
- Land resource management
- The environmental component of project delivery
- Environmental initiatives, programs, and process improvements

## Objective A – Ensure employee compliance with the Environmental Stewardship Policy

- Achieve zero notices of violation (NOV) on projects, facilities, and operations
- Conduct root cause analysis and develop recovery plans for correction of NOV occurrences
- Build upon and enhance internal programs which demonstrate NCDOT's commitment to the natural and human environment



# Objective B – Ensure Compliance of NCDOT and industry partners with State and Federal environmental laws, rules and regulations

- Achieve zero notices of violation (NOV) on projects
- Achieve zero contract violations related to or as a result of adverse environmental impacts
- Conduct root cause analysis and develop recovery plans for correction of NOV or contract violation occurrences



## Objective C – Build upon and enhance environmental sustainability practices within NCDOT

- Achieve government recycling mandates to reduce waste and reduce costs
- Determine the technical feasibility and cost effectiveness of waste reduction measures
- Evaluate and track additional reduction, recycling, and reuse efforts to continually improve environmental sustainability
- Implement the Energy Policy



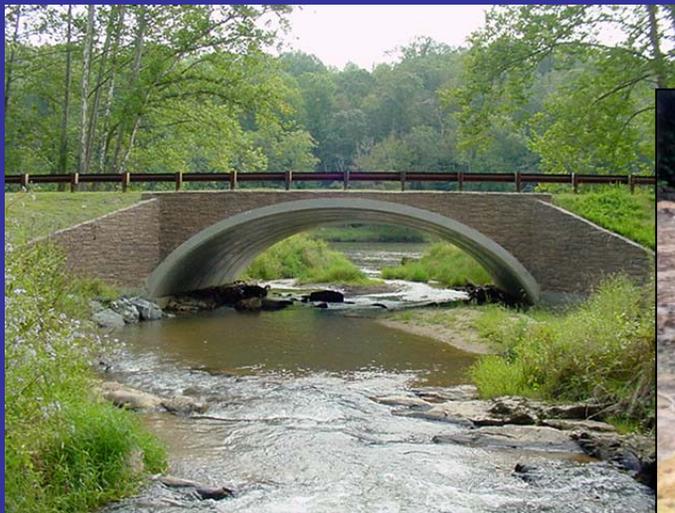
## Objective D – Enhance air quality management

- Identify and measure air quality impacts produced by NCDOT activities
- Complete air quality analyses in non-attainment and maintenance areas on time
- Maximize the use of available congestion mitigation and air quality improvement program (CMAQ) funds each year
- Organize effective regional collaborations with metropolitan and rural planning organizations (MPO's and RPO's)



## Objective E – Enhance water quality management

- Continue to implement enhancements and BMPs related to water quality at facilities and properties
- Track enhancement and BMP implementation efforts at the project level
- Identify and track opportunities to enhance water quality through partnerships
- Cooperate with watershed based approaches where possible



## Objective F – Enhance land resource management

- Integrate the comprehensive transportation planning process with local land use, economic development and protection of the State’s cultural and natural resources
- Continue to manage facilities and properties to enhance environmental stewardship and economical land management practices
- Continue delegation of the erosion and sedimentation control program



## Objective G –

### Accelerate/streamline the environmental component of the project delivery process

- Zero project delays due to permitting
- Identify impacts, fund and monitor the expense allocation to the EEP and other mitigation efforts
- Identify appropriate mitigation funding sources and allocation of funds in TIP
- Identify and track opportunities to partner with local governments and agencies to enhance the project delivery process
- Explore delegation of environmental programs



# Objective H – Implement and maintain the initiatives, programs and process improvements

- Implement the Environmental Management Plan
- Develop a comprehensive shared GIS database
- Continue to enhance training and awareness of the environmental ethics practices of the Department
- Develop a risk management plan



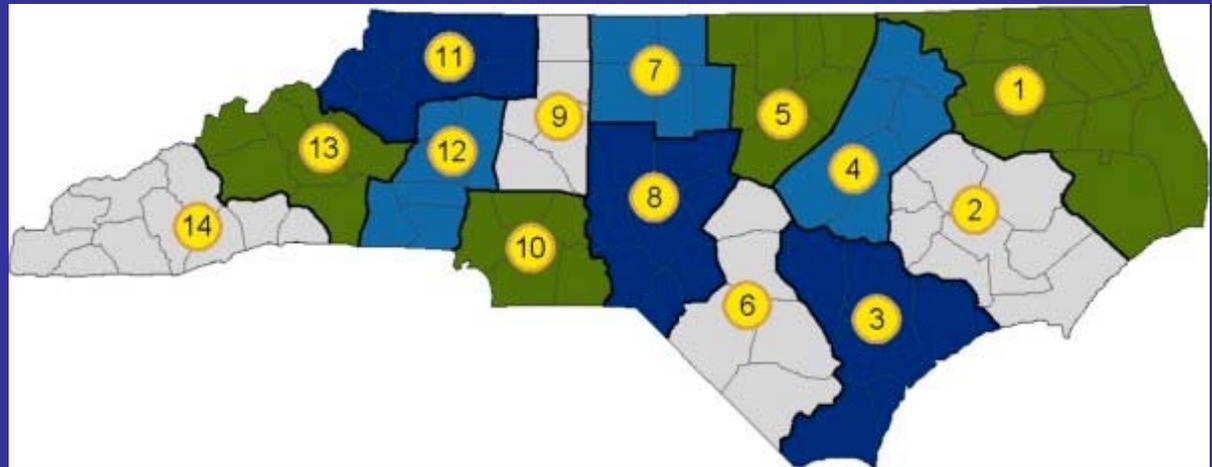
# WHAT DO WE NEED FROM YOU NOW?



- What are you already doing that support the EMP framework?
- What are you doing that is missing from the EMP framework?
- What EMP objectives are not applicable to you?

# What Next?

- **Complete Focus Group Workshops**
- **Complete Framework**
- **Develop Implementation Strategies**
- **Educate, Implement, Maintain**



# To provide more input contact:

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- **emeister@dot.state.nc.us**

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- **J.D. Solomon**

- **919-875-4311 ext. 11**

- **jsolomon@ch2M.com**





## To follow the process

- Visit the NCDOT Internet site to track the EMP development process
  - <http://www.ncdot.org/environment/development/management/>