STATE OF NORTH CAROLINA
TURNPIKE AUTHORITY

BEVERLY E. PERDUE
GOVERNOR

1578 MAIL SERVICE CENTER, RALEIGH, N.C. 27699-1578

DAVID W. JOYNER
EXECUTIVE DIRECTOR

Board of Directors
Minutes

Wednesday, October 21, 2009

Members Present:	Lanny Wilson
	Sang Hamilton
	Bill Lackey
	David Redwine
	Perry Safran
	Robb Teer
Members Absent:	Gene Conti
	Anthony Fox
	Bob Spencer
Also present:	David Joyner, Executive Director

Lanny Wilson called the meeting to order at 1:05pm. Mr. Wilson read the State Ethics Act and declared that a quorum was present. He moved to approve the September 2009 minutes. The motion was seconded by Perry Safran and the minutes were approved as presented.

Jim Eden gave a presentation on Operations: Behind the Scenes. Mr. Eden discussed the Toll Collection System and the Traffic Management Center. He also discussed the incident response and preparedness. He stated that Operations is working on coordinating all entities and preparing a response plan along with some scenario training. Bill Lackey asked about insurance and Mr. Eden stated the Bob Weisenberger has been in discussion with the Department of Insurance. He discussed law enforcement, fire rescue and EMS as well as the roadway maintenance. (See attached presentation.)

Andy Lelewski gave a presentation on the Triangle Expressway signage. He stated that there will not be any confusing signs on the Triangle Expressway. He discussed the toll zone signing on open road toll facilities. He discussed the guide signing regulation. Mr. Lelewski displayed some sample signs. Lanny Wilson asked if the NCTA would have to comply with the legislation regarding tourist and logo signs. Steve DeWitt responded that the logo and tourist signs were not included but will be addressed later. (See attached presentation.)

Bob Weisenberger discussed the financial reports for the Triangle Expressway. Mr. Weisenberger stated that the NCTA has spent about 9% of the total project costs to

date. Steve DeWitt stated that the ROW process is moving forward with a few condemnations. Mr. Weisenberger gave a quick overview of the ROW summary. He also went through the Annual Plan of Work activity.

Operations and Personnel Committee: Sang Hamilton discussed that the Operations Committee met and heard presentations on the status of the Operations RFP and the Alliance for Toll Interoperability. Mr. Hamilton also stated that they received an industry update from Jim Eden. No action items.

Plans and Programs Committee and Finance Committee: Robb Teer stated that the Plans & Programs and Finance Committees met jointly. Mr. Teer discussed that there was a presentation on the Cape Fear Skyway and that there was a review of schedules for the Monroe Parkway, Garden Parkway and the Mid-Currituck Bridge. The committees also received an introduction to the Southern Wake Expressway and a presentation of the TriEx views of construction. No action items.

David Joyner thanked Carolyn Johnson for her service to the NCTA and wished her the best in her new role as City Attorney of Wilmington, NC.

The meeting was adjourned at 1:50 pm.

Minutes prepared by Jillian Bliss.

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Operations: Behind the Scenes

Board Meeting
October 21st, 2009

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How are Toll Roads Unique?

- Toll Road Operations is a Business
  - Must Meet Debt Obligation
  - Customer Expects a Higher Level of Service
- Operational Goals
  - Safe Roadways
  - Continual Maintenance
  - Faster Commute

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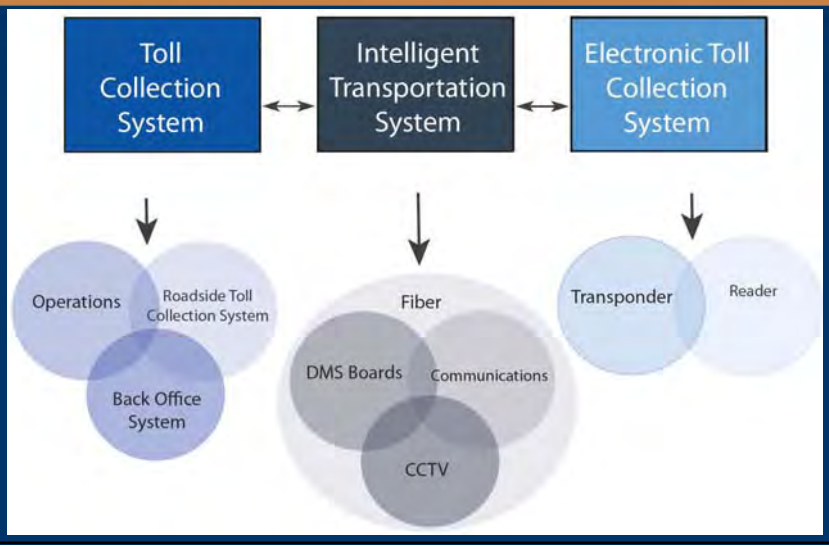
Toll Collection System



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Traffic Management Center

NC National Guard
Raleigh Armed Forces Reserve Center
Joint Force Headquarters

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Incident Response

- Coordinating Entities:
  - Traffic Management Center
  - First Responders / Law Enforcement
  - Maintenance Contractor
  - Service Patrol (IMAP)
  - Towing Contractors
  - Public Affairs – Media Outlets
  - Engineering & Finance

Coordination Critical to Efficient Operation

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Incident Preparedness

- Incident Response Design Reviews
  - Strategically placed median crossovers
  - Predefined life-flight landing zones
- Incident Response Plan
- Scenario Training

Must Have Balance Between Quick Clearance and Safety

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Traffic Management

- Activities:
  - Pre-defined Detour Routes
  - Incident Response Trailers
  - Coordinated Response / Dispatch
  - VIPER Radio Communications
  - Scene Set-up Coordination
  - Public Communications & Marketing

Keeping Traffic Moving and Public Informed

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Law Enforcement

- Dedicated Patrol Peak Hour Presence
- Scene Set-up Responsibility
- Accident Investigations
- Enforcement
- Coordination with 911 & Emergency Services

Promoting Safe Travel

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Fire / Rescue & EMS

- Fire / Rescue Goals
  - Extract injured
  - Fire response services
  - Incident scene protection
  - Hazmat response

- EMS Goals
  - Medical onsite treatment & triage
  - Hospital transport

Promoting Quick & Safe Response

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Maintenance

- Landscape Maintenance
  - Litter patrol & pick-up
  - Mowing
- Roadway Maintenance
  - Roadway repairs
  - Spill & debris clearance
  - Electrical & building
  - Sign & roadway stripping
  - Snow & ice removal

Promoting Safe Roadway Conditions

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IMAP & Towing

- IMAP Goals
  - Increased patrol headways
  - Customer assistance
  - Quickly assist in roadway clearance
- Towing Goals
  - Rapid clearance

Customer Service Starts at the Roadside

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New Roads to a Better Commute

- Expect innovation.
- Expect efficiency.
- Expect clean roads.
- Expect service.
- Expect thought in design.
- Expect to get to there faster.

Expect Something Different!

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Triangle Expressway Signing

October 20, 2009

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Agenda

- Toll Zone Signing
- Roadway Guide Signing – Differences Between Free Roads and Toll Roads

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Toll Zone Signing

Pre ETC

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Toll Zone Signing

ETC

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Toll Zone Signing

Open Road Tolling

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Toll Zone Signing

Open Road Tolling

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Toll Zone Signing

Open Road Tolling

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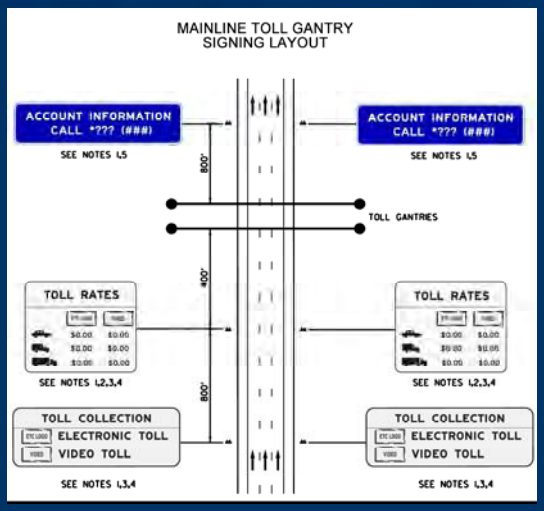
Toll Zone Signing



NCTA

Considerations:

- Business Rules
- Marketing Plan
- Toll Legislation
- Customer Service Center Operations
- Interoperability

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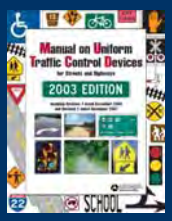
Guide Signing Regulation

- FHWA Manual on Uniform Traffic Control Devices (MUTCD)
  - Adopted North Carolina General Statute G.S. 136-30
- State Supplement to the MUTCD
- FHWA Standard Highway Signs
- NCDOT Practices and Policies (www.ncdot.org)



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Triangle Expressway

- Developed Signing Schematic (Signing Concept)
  - Sign Messages
  - Sign Locations
  - Sign Type (overhead, ground mounted)
- Reviewed & Coordinated with NCDOT Division of Mobility and Safety (Traffic Engineering)
- Reviewed & Coordinated with NCDOT Division 5
- Reviewed & Coordinated with Local Municipalities

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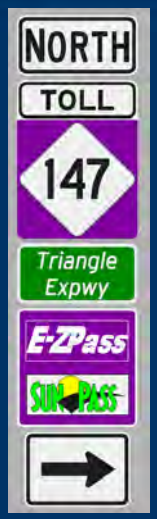
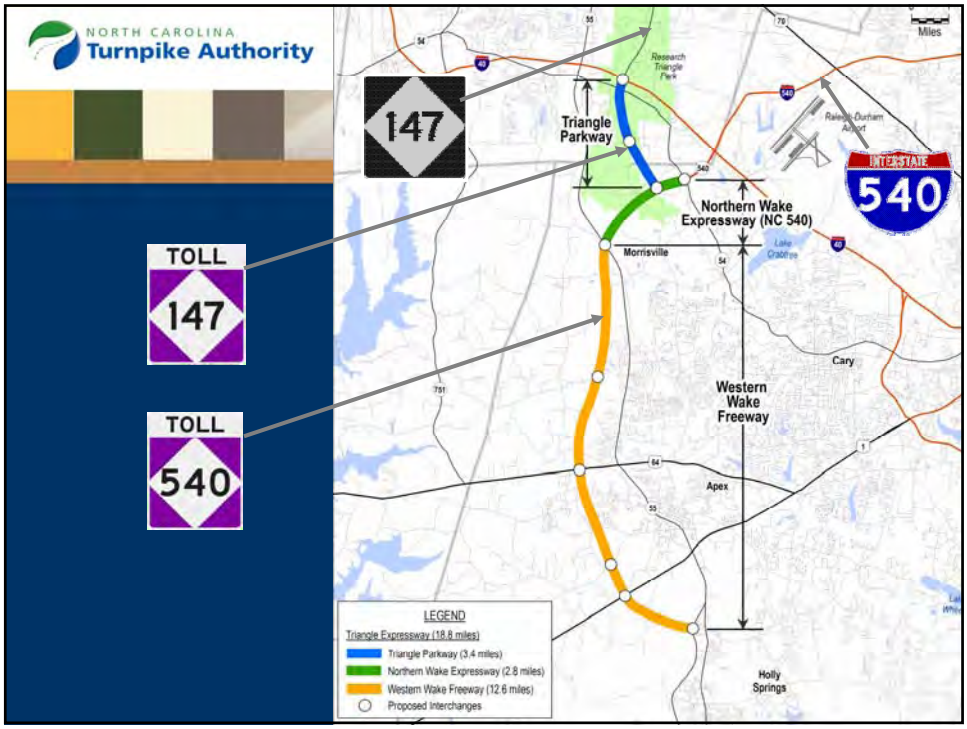
Toll Plaza Signing

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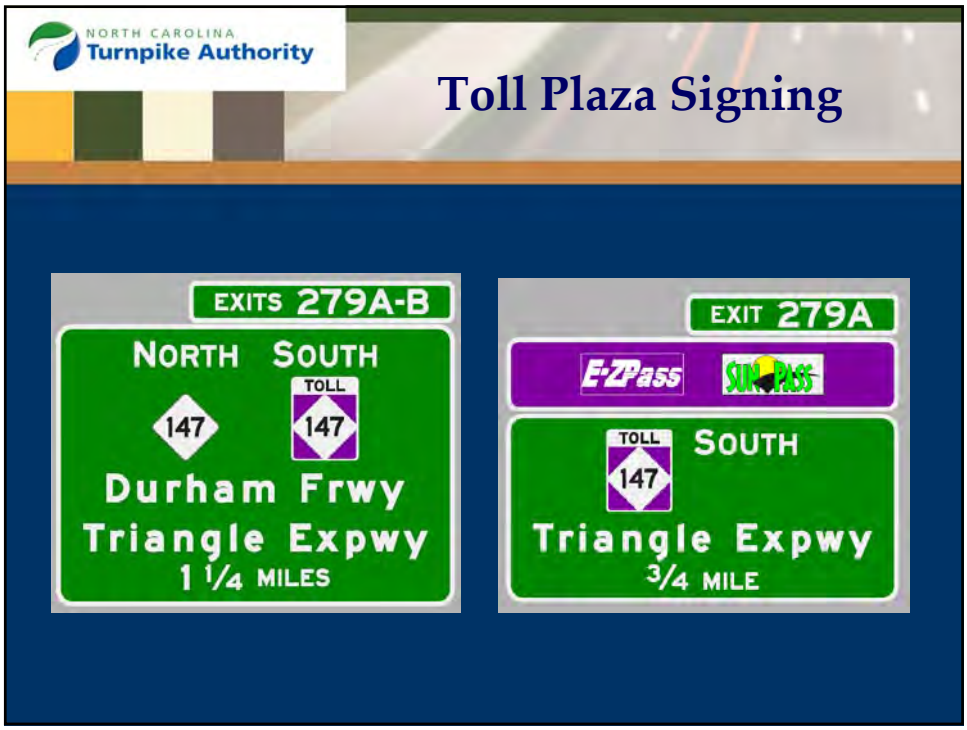
147
TOLL
147
TOLL
540
Triangle Parkway
Northern Wake Expressway (NC 540)
Morrisville
Cary
Western Wake Freeway
Apex
Holly Springs
INTERSTATE
540
Miles
LEGEND
Triangle Expressway (18.8 miles)
Triangle Parkway (3.4 miles)
Northern Wake Expressway (2.8 miles)
Western Wake Freeway (12.6 miles)
Proposed Interchanges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Toll Plaza Signing
EXITS 279A-B
NORTH
SOUTH
TOLL
147
147
Durham Frwy
Triangle Expwy
1 1/4 MILES
EXIT 279A
E-ZPass
SUNPASS
TOLL
147
SOUTH
Triangle Expwy
3/4 MILE

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Questions & Discussion