



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.

OPERATIONS: BEHIND THE SCENES

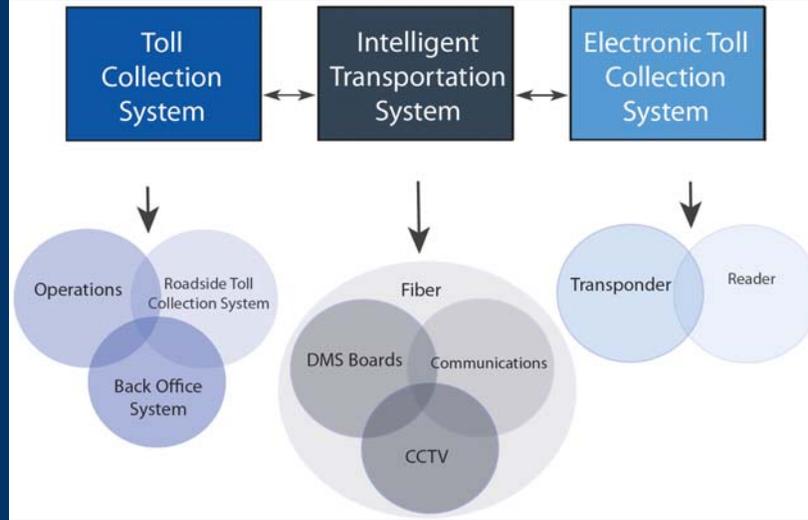
Board Meeting
October 21st, 2009

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



Toll Collection System



Traffic Management Center



NC National Guard
Raleigh Armed Forces Reserve Center
Joint Force Headquarters



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

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

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

Law Enforcement

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



Promoting Safe Travel

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

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

IMAP & Towing



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

- Towing Goals
 - Rapid clearance

Customer Service Starts at the Roadside

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!

TRIANGLE EXPRESSWAY SIGNING

October 20, 2009

Agenda

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





Toll Zone Signing

Pre ETC



Toll Zone Signing



ETC

Toll Zone Signing

Open Road Tolling



Toll Zone Signing

Open Road Tolling

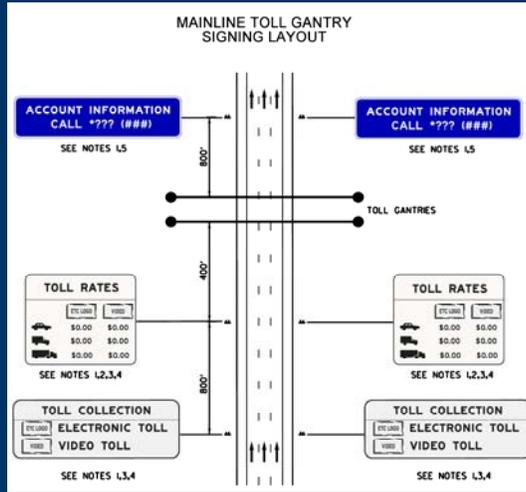


Toll Zone Signing

Open Road Tolling



Toll Zone Signing



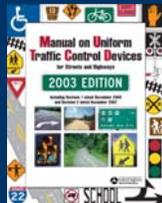
NCTA

Considerations:

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

Guide Signing Regulation

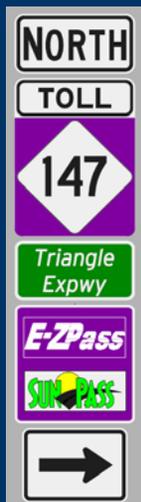
- FHWA Manual on Uniform Traffic Control Devices (MUTCD)
 - Adopted North Carolina General Statute G.S. 136-30
- State Supplement to the MUTCD
- FHWA Standard Highway Signs
- NCDOT Practices and Policies (www.ncdot.org)

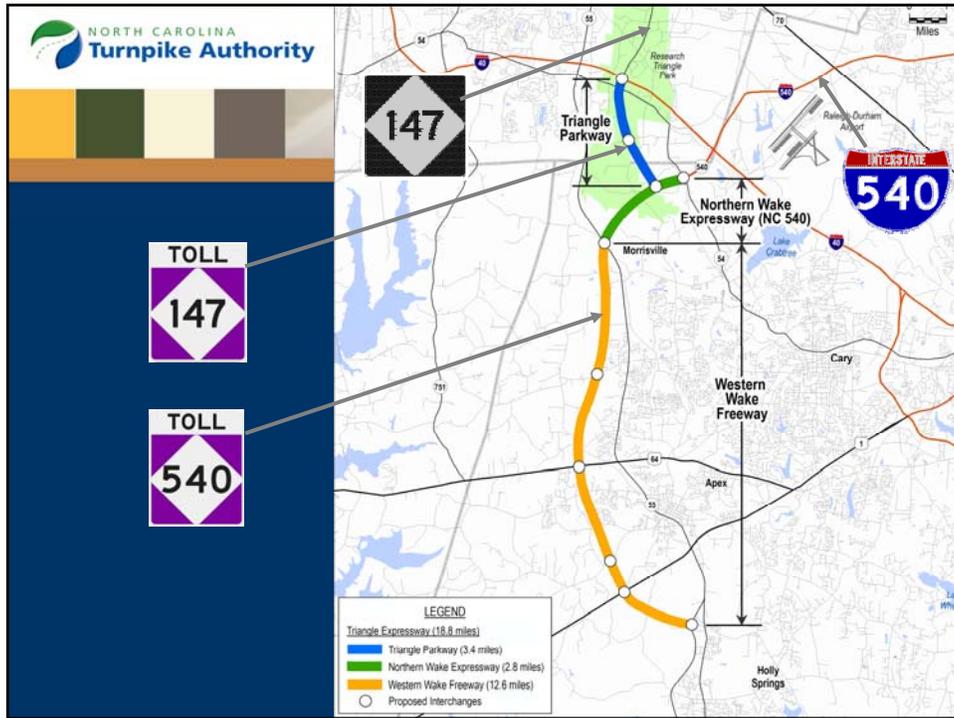


Triangle Expressway

- 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

Toll Plaza Signing





NORTH CAROLINA Turnpike Authority

Toll Plaza Signing

EXITS 279A-B

NORTH SOUTH

TOLL 147

Durham Frwy

Triangle Expwy

1 1/4 MILES

EXIT 279A

E-ZPass SUNPASS

TOLL 147 SOUTH

Triangle Expwy

3/4 MILE

Questions & Discussion

