



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**

Thursday June 3, 2010

Members Present: Gene Conti, Chairman  
Robb Teer  
Al Swanstrom  
Bob Clay  
John Collett  
James Ferebee  
Anthony Fox

Members absent: Perry Safran  
David Redwine

Also present: David Joyner, Executive Director

Chairman Gene Conti called the meeting to order at 1:07 pm. He read the Ethics Act statement and declared that a quorum was present. Robb Teer moved to approve the Board, Operations and Plans & Programs/Finance minutes from February 2010. The motion was seconded by Bob Clay, and the minutes were approved as presented.

Connie Majure-Rhett and Louise McCall from the Wilmington Chamber of Commerce addressed the Board to express continued support for the Cape Fear Skyway. Ms. McCall presented Secretary Conti with a book of signed resolutions supporting the Skyway. Chairman Conti commended the efforts of the Chamber of Commerce.

Jennifer Harris discussed the current schedules and activities for the Monroe Connector/Bypass, Garden Parkway, Mid-Currituck Bridge, Cape Fear Skyway and the Southeast Extension. (See attached presentation.)

Shannon Sweitzer gave a brief update on Triangle Expressway construction and showed pictures of the construction progress. He also discussed the Critical Path Method (CPM) schedule which is updated every two weeks and provides a snapshot of where the project is on the project schedule. Currently, CPM indicates that the project is 45 days behind schedule. However, this assessment does not necessarily mean there is a significant problem with completing the project on schedule. Mr. Sweitzer stated the goal of the contractors is to finish early and that an opening early is a possibility. Jim Eden pointed out that even if construction finishes early, the Operations group must still complete critical elements such as system testing, marketing and publication education campaigns, etc. (See attached presentation.)

Grady Rankin provided an update on project financing plans for the Monroe Connector/Bypass, the Garden Parkway and the Mid-Currituck Bridge. (See attached presentation.) Chairman Conti asked for clarification on analyzing funding options for the Mid-Currituck Bridge and how that may affect the current Pre-Development Agreement with ACS. Mr. Rankin stated that after the final risk-reward analysis is completed, ACS and the NCTA will assess their positions on moving forward as a P3.

Mr. Rankin discussed the internal assessment of NCTA financial policies and procedures which was conducted by Ernst and Young. The final report made suggestions for improvement; however, the auditors indicated that current policies and procedures for handling funds were adequate. (See attached presentation.)

Mr. Rankin discussed the monthly Triangle Expressway financial status report and the investment report. He also discussed the Annual Plan of Work financial status. (See attached presentation.)

Jim Eden presented an update on recent activity in the toll operations group regarding back office/service center build-out, video camera testing and efforts to further interoperability through the Alliance for Toll Interoperability (ATI). (See attached presentations.) Al Swanstrom asked for additional clarification on changes proposed in the legislative bill for violation enforcement. Mr. Eden stated that changes were minimal and affected when the Authority would bill customers.

Chairman Conti provided an update on the Mobility Fund and suggested that progress was underway to create the fund. He noted that funding was still under the expected threshold. He expressed his belief that the Mobility Fund would eventually provide a flexible funding source for transportation infrastructure for NC.

Chairman Conti noted that Perry Safran was not present at the meeting due to a standing conflict with a meeting for another board on which Mr. Safran serves. He suggested moving NCTA meetings to odd-numbered months to accommodate Mr. Safran. He indicated that he would contact each board member to confirm the new schedule.

Chairman Conti also updated the Board of Directors on the decision to begin integrating the NCTA staff into the NCDOT building in the next few months.

The meeting was adjourned at 2:32 pm.

*Minutes prepared by J.R. Fenske*

# Project Updates

Turnpike Authority Board Meeting

June 3, 2010

Jennifer Harris, P.E.

Director of Planning and Environmental Studies

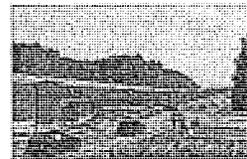
## Monroe Connector/Bypass

- Final EIS approved May 25
  - Distribution
    - Website
    - Public review locations
    - Federal and state agencies
    - Local governments
- Final EIS Fact Sheet available
- Comments requested by June 25
- Project cost: \$750M - \$825M



## Monroe Connector/Bypass

- Design-Build Procurement Underway
  - Statements of Qualifications from 7 teams
  - Reduced candidate list
  - Draft Request for Proposals completed
  - Technical and price proposals due October 1
- Aesthetic Guidelines
  - Final draft of guidelines under review
  - Will be available on NCTA website
- Receiving input on project name
- Investment-Grade Traffic and Revenue Study underway



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## Monroe Connector/Bypass

- Review and evaluate comments on Final EIS
- June/July 2010 – Record of Decision (ROD)
- December 2010 – Financial close
- December 2010 – Award contract
- Early 2011 – Begin construction plan development and right-of-way acquisition
- 2014/2015 – Open to traffic

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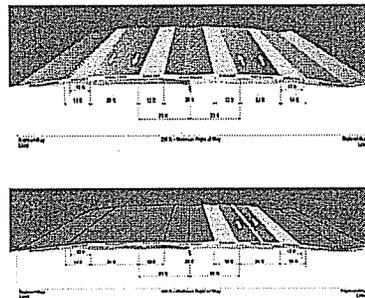
## Mid-Currituck Bridge

- Review and evaluate comments on Draft EIS
- August 2010 – Identify the Preferred Alternative
- September 2010 – Final EIS
- December 2010 – Record of Decision (ROD)
- December 2010 – Execute concession agreement
- Early 2011 – Begin construction plan development and right-of-way acquisition
- Late 2014 – Open to traffic

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## Garden Parkway

- Final EIS under review by NCTA and FHWA
- Design-Build procurement begins in July
- Gaston Urban Area MPO to amend Long Range Transportation Plan
  - Two lanes between US 321 and I-85 initially
  - Bud Wilson Road interchange eliminated
- Investment-Grade Traffic and Revenue study underway
- Project cost: \$875M to \$955M



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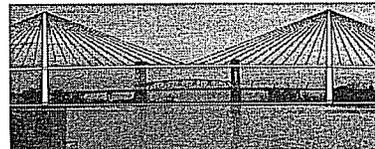
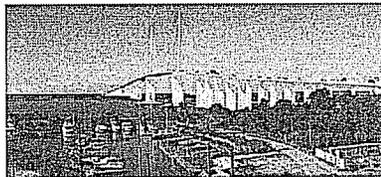
## Garden Parkway

- July 2010 – Final EIS
- July 2010 – Design-Build procurement begins
- October 2010 – Record of Decision (ROD)
- February 2011 – Financial close
- March 2011 – Award contract
- Early 2011 – Begin construction plan development and right-of-way acquisition
- 2014/2015 – Open to traffic

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## Cape Fear Skyway

- Local governments to adopt corridor protection map
- Finalizing Purpose and Need statement
- Developing Alternatives Screening report
- Continuing public involvement and agency coordination
- Project cost: \$1.1B to \$1.4B



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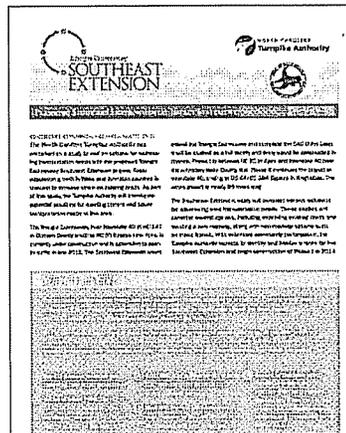
## Cape Fear Skyway

- Schedule is under review
- 2011 – Draft EIS
- 2012 – Final EIS
- 2012 – Record of Decision (ROD)
- 2013 – Environmental planning complete with final corridor determined and design details
- 2013 – Complete financial feasibility studies
- When funding is secured, estimated to take 5 years to construct

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## Triangle Expressway Southeast Connector

- Completion of Raleigh Outer Loop (540)
- Phase I between NC 55 Bypass of Holly Springs and I-40
- Phase II between I-40 and US 64/264 Bypass of Knightdale



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## Triangle Expressway Southeast Connector

- Developing Purpose and Need statement
- Developing Alternatives Screening report
- Conducting environmental field surveys
- Continuing public involvement and agency coordination
  - Monthly updates to Capital Area MPO TCC and TAC
  - Citizen emails and calls
  - Developing a “Frequently Asked Questions” sheet
- Project cost under development



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## Triangle Expressway Southeast Connector

- Schedule is being finalized
- May 2012 – Draft EIS
- February 2013 – Final EIS
- December 2013 – Record of Decision (ROD)
- 2014 – Environmental planning complete with final corridor determined and design details
- 2014 – Complete financial feasibility studies
- When funding is secured, estimated to take 5 years to construct Phase I

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**Thank you....**  
**Questions?**

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**Project looking south midway between NC 147 and Hopson Road**



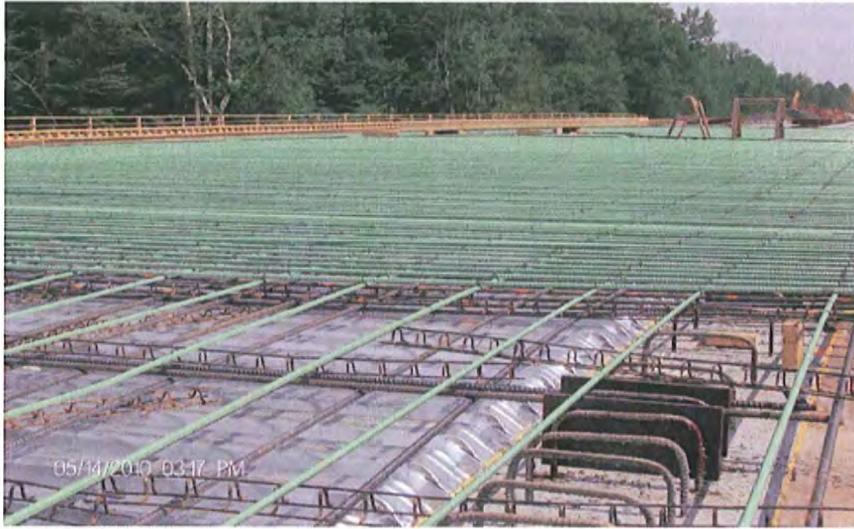
**Duke Energy relocating facilities within the project limits along NC 54.**



**Demolition of the north side of the existing NC 54 bridge over NC 147**



**Installation of slope toe protection along the right side of the roadway between Hopson Road and NC 147**



**Deck rebar placement on the right lane bridge over Burdens Creek**



**Newly constructed sewer manhole for the relocation of the Durham County line along the right side of the project**



**Project looking south towards Davis Drive from Hopson Road**



**Davis Drive traffic shift to allow construction of culvert 4**



**Access to Davis Drive from I-540 closed to traffic**



**Excavation at McCrimmon Parkway**



**Channel tie-in, box culvert 15**



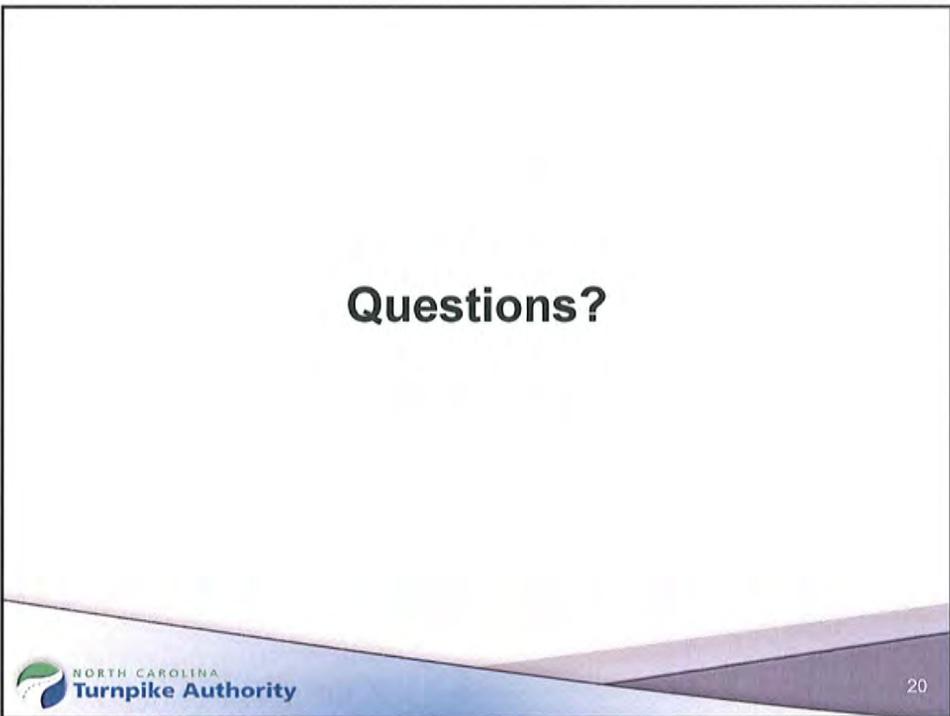
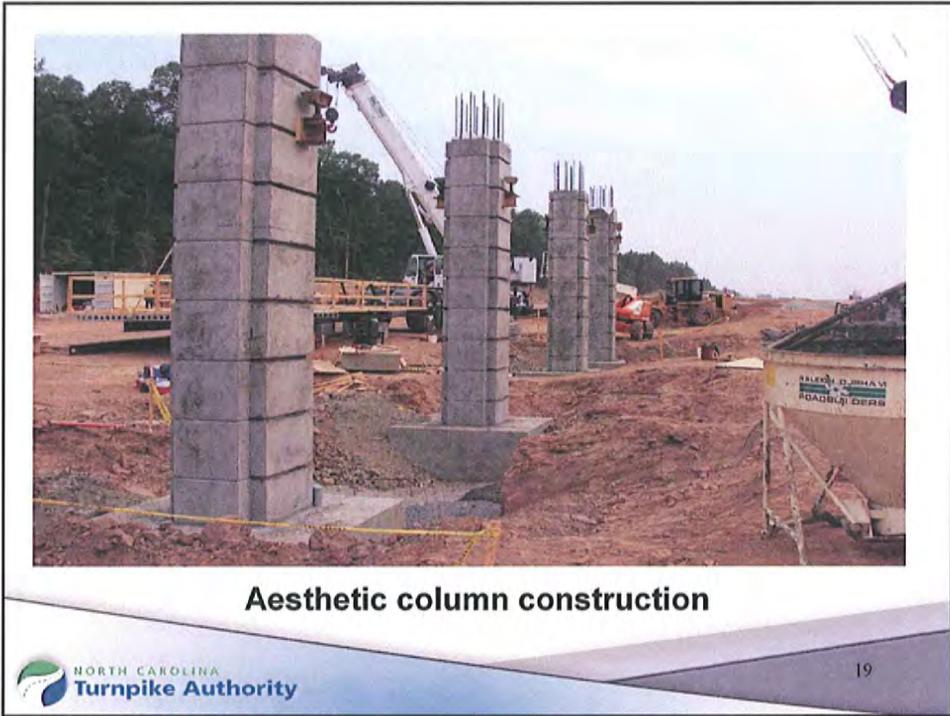
**Riser basin construction north of Green Level West Road**



**Driving H-Piles at Nancy Branch**



**Setting pre-cast concrete girder at Site 26**





## **Project Finance Update**

**June 3, 2010**

### **North Carolina Turnpike Authority**

#### ***Monroe...***

#### **Target Financing: December 2010**

- Investment Grade T&R, updated capital costs, updated O&M costs
- June 10 -- Monroe All Hands Meeting with new plan of finance without TIFIA

## North Carolina Turnpike Authority

### ***Gaston...***

#### **Target Financing: March 2011**

- Investment Grade T&R due September 2010
- Updated plan of finance October

## North Carolina Turnpike Authority

### ***Mid-Currituck Bridge...***

#### **During June:**

- Begin discussion of CDG deal points
- Model deals using PPP and municipal finance alternatives
  - Preliminary T&R, Capital Cost and tolling plan
- Begin “value for money” analysis
- Initial assessment of deal – if favorable to PPP
  - Begin drafting Term Sheet

## North Carolina Turnpike Authority

### ***TIFIA...***

- No feedback on selection process
- Possible listening session late July

### **Our Plan A: No TIFIA loan for any project**

- Substitute subordinated loans

## North Carolina Turnpike Authority

### ***Rating Agency Planning...***

- Informal discussion on panel at IBTTA
- Update on TriEx – June/July
- Introduce Monroe & Gaston -- July

### ***Local Government Commission...***

- Review plans for using subordinated loans

## North Carolina Turnpike Authority

### ***Build America Bonds...***

- Represents 90% of Monroe bonds and similar for Gaston
- House Bill extends BABs
  - Now 35% thru December 2010
  - Proposed: 32% for 2011 and 30% for 2012
- Evaluating cost/benefit of borrowing early to qualify for 35%

## North Carolina Turnpike Authority

### ***DOT Support...***

- Execute agreements similar to TriEx for:
  - O&M guarantee
  - R&R guarantee
  - Capital cost guarantee

**North Carolina Turnpike Authority**

***Continue to Monitor Markets...***

**Impact on plans of finance for all three projects.**

## Ernst & Young – Assessment of Key Bond and RFP Processes

*Look at processes for  
revenue collection -*

June 3, 2010

## Ernst & Young – Assessment of Bond and RFP Processes

- Scope of work (Phase 1 and 2 – FY10)
  - Inspect policies and procedures of the NCTA with respect to bond, TIFIA and insurance document requirements, with a detailed focus on the requisitioning of funds
  - Report to NCTA any recommendations for further enhancement of bond fund procedures
  - Provide suggestions to improve general office and administrative procedures

## **Ernst & Young – Assessment of Bond and RFP Processes**

- Additional duties – FY10
  - Assess the Toll Collection System RFP process
    - Confirm adherence to NCTA’s procurement process
    - Document and assess the process to arrive at the NCTA-deemed best and final offer, as well as legal’s involvement in the contract terms and conditions
    - Identify observations for any areas of concern within the final documents

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## **Ernst & Young – Assessment of Bond and RFP Processes**

- Next steps
  - Potential FY11 areas of focus
    - Assist with the review of revenue recognition practices
    - Document and review cash controls for Operations contractor
    - Document and review customer service operations and business rules
    - Other monitoring and/or assessments as needed
  - Schedule insight session with EY construction advisory subject matter resources

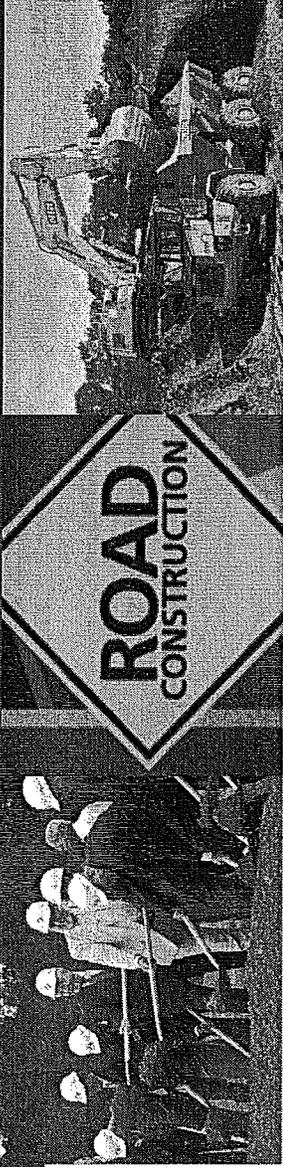
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**Ernst & Young – Assessment of Bond  
and RFP Processes**

Questions?

NCTA BOD Monthly Review of TRIEX Financial Activity as of 6/1/2010

Item	Triangle Expressway	
Design/Build Construction	Budget	Actual Pmts.
Highway D/B - bid price 8-5-08	\$ 583.91	\$ 122.55
Adj. based on anticip. lower fuel/AC prices*	\$ (6.51)	\$ -
Payments to Hwy D/B Contractor	\$ 577.40	\$ 122.55
ITS D/B - all inclusive	\$ 9.78	\$ -
Toll Integration D/B - all inclusive	\$ 9.25	\$ 1.84
Landscaping D/B - all inclusive	\$ 5.78	\$ -
Specialized Contract Subtotal	\$ 24.81	\$ 1.84
<b>Project Construction Total</b>	<b>\$ 602.21</b>	<b>\$ 124.39</b>
<b>NCTA Costs</b>		
Right of Way	\$ 225.37	\$ 43.74
Right of Way Acquisition	\$ 2.77	\$ 1.23
Utility Relocation	\$ 18.60	\$ 0.49
NCTA Construction Admin.	\$ 18.97	\$ 1.76
Administrative	\$ 4.46	\$ 0.29
Environmental Mitigation	\$ -	\$ -
Stipends and Incentives	\$ 5.40	\$ -
<b>NCTA Total Costs</b>	<b>\$ 275.58</b>	<b>\$ 47.52</b>
<b>Project Total Costs</b>	<b>\$ 877.79</b>	<b>\$ 171.91</b>



# North Carolina Turnpike Authority



**Investment Report**  
*Month Ended April 30, 2010*

**PFM**

PFM Asset Management LLC  
One Keystone Plaza, Suite 300  
North Front & Market Streets  
Harrisburg, PA 17101  
(717) 232-2723  
www.pfm.com

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[www.pfm.com](http://www.pfm.com)

**Consolidated Statement of All Funds****Balances**

	<u>Book Value</u>	<u>Market Value</u>
Revenue Bonds - Construction	\$ 98,864,967.26	\$ 99,469,434.87
Revenue Bonds - Capitalized Interest	\$ 43,763,044.30	\$ 44,199,666.83
Revenue Bonds - Debt Service Reserve	\$ 27,416,724.25	\$ 27,748,733.66
BABs - Construction	\$ 274,913,757.53	\$ 274,913,757.53
BABs - Capitalized Interest	\$ 36,264,019.81	\$ 36,520,703.67
BABs - Debt Service Reserve	\$ 8,022,240.96	\$ 8,103,541.72
A.P.A. Triangle 2009	\$ 47,113,697.98	\$ 47,113,697.98
S.A. Revenue Fund	\$ 12,822,319.73	\$ 12,822,319.73
NCTA TIFIA DSR Triangle 2009	\$ 1,001,523.29	\$ 1,001,523.29
<b>Total Funds</b>	<b>\$ 550,182,295.11</b>	<b>\$ 551,893,379.28</b>

**Consolidated Statement of All Funds (continued)**

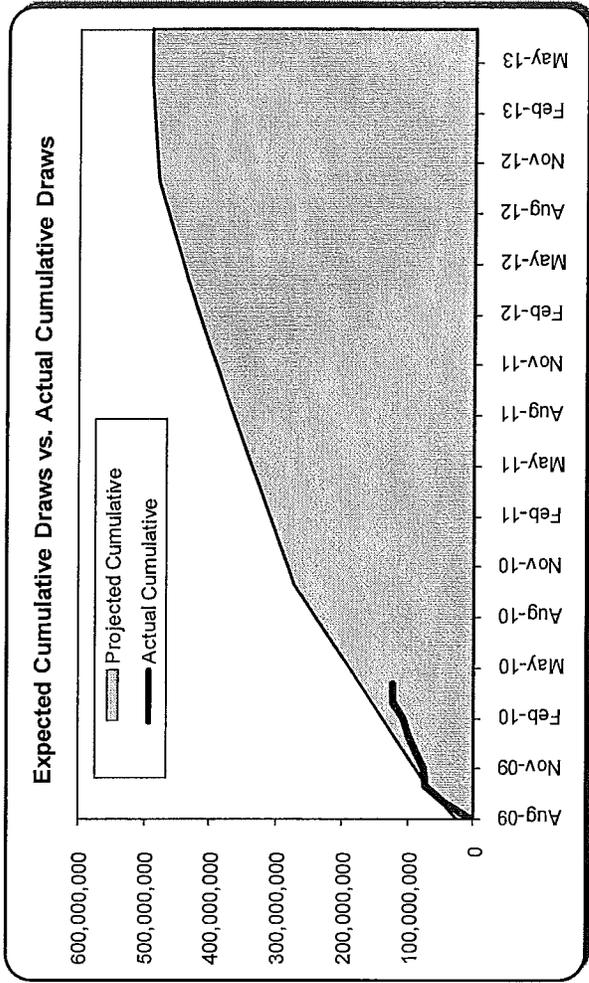
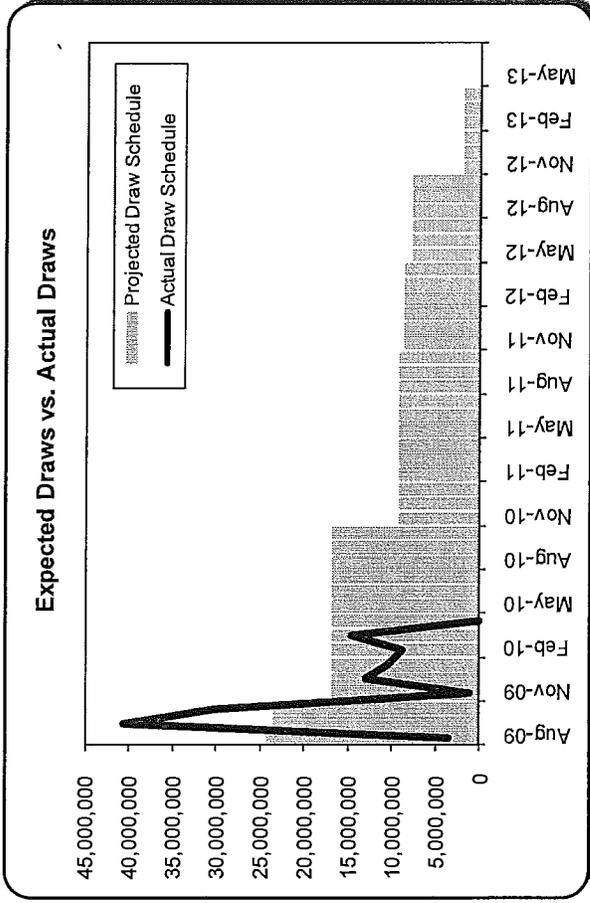
**Maturity Distribution**

	April 30, 2010	March 31, 2010
Overnight	\$ 336,765,096.28	\$ 351,472,324.84
Under 6 Months	32,723,019.96	32,714,574.66
6 - 12 Months	13,514,673.96	13,511,976.05
1 - 1 1/2 Years	13,078,690.63	13,066,550.01
1 1/2 - 2 Years	77,222,127.21	69,391,043.62
2 - 2 1/2 Years	54,764,338.08	62,343,050.33
2 1/2 - 3 Years	14,083,088.49	14,003,993.26
3 Years and Over	9,742,344.67	9,671,610.92
<b>Totals</b>	<b>\$ 551,893,379.28</b>	<b>\$ 566,175,123.69</b>
Duration	0.59	0.61
Internal Rate of Return		1.43%

**Portfolio Composition**

Security Type <sup>1</sup>	April 30, 2010	% of Portfolio
U.S. Treasuries	\$ -	0.0%
Federal Agencies	133,885,620.63	24.3%
Commercial Paper	19,977,440.00	3.6%
TLGP Corporate Obligations	61,265,222.37	11.1%
North Carolina STIF	266,284,857.76	48.2%
Money Market Mutual Funds	70,480,238.52	12.8%
<b>Totals</b>	<b>\$ 551,893,379.28</b>	<b>100.0%</b>

	April 30, 2010	March 31, 2010
Yield at Market	1.12%	1.18%
Yield at Cost	1.29%	1.32%



**Consolidated****Investment Earnings Summary**

Account Number	Project Funds	Feb-10	Mar-10	Apr-10	Project to Date Total Earnings
11212112	Senior Construction FD Triangle 09	\$ 115,082.87	\$ 107,741.92	\$ 106,739.02	\$ 1,070,263.55
11212101	SA Project Fund	1,137.99	998.66	1,043.16	33,547.43
	<b>Reserve and CAPI accounts</b>				
11212113	NCTA Senior CAPI Triangle 2009	55,514.25	55,761.23	55,678.79	512,805.84
11212110	NCTA Senior Parity DSR Triangle 2009	52,296.04	44,772.52	44,770.28	408,413.36
11212114	NCTA SA CAPI 2009	37,587.27	37,868.59	37,774.85	356,733.74
11212105	NCTA SA Reserve Fund 2009	11,968.15	11,966.81	11,967.23	108,450.89
	<b>NCOST</b>				
	STIF account	302,187.97	358,502.07	316,440.48	3,304,857.76
43112000	Interest earned - PFM Funds	273,586.57	259,109.73	257,973.33	2,490,214.81
43104001	Interest earned - NCOST Funds	302,187.97	358,502.07	316,440.48	3,304,857.76
	<b>Other Accounts</b>				
	A.P.A. Triangle 2009	9,034.68	7,848.65	6,560.46	66,629.65
	S.A. Revenue Fund	1,240.09	1,483.99	1,550.10	7,340.76
	NCTA TIFIA DSR Triangle 2009	132.08	115.91	121.08	1,523.29

**Revenue Bonds - Construction**

**Maturity Distribution**

	April 30, 2010	March 31, 2010
Overnight	\$ 359,548.41	\$ 275,138.30
Under 6 Months	19,977,440.00	19,971,120.00
6 - 12 Months	-	(0.00)
1 - 1 1/2 Years	-	(0.00)
1 1/2 - 2 Years	55,422,527.50	47,643,200.00
2 - 2 1/2 Years	23,709,918.96	31,377,432.71
2 1/2 - 3 Years	-	0.00
3 Years and Over	-	-
<b>Totals</b>	<b>\$ 99,469,434.87</b>	<b>\$ 99,266,891.01</b>

Duration 1.49

Internal Rate of Return 1.58

1.02%

**Portfolio Composition**

Security Type	April 30, 2010	% of Portfolio
U.S. Treasuries	\$ -	0.0%
Federal Agencies	71,437,371.25	71.8%
Commercial Paper	19,977,440.00	20.1%
TLGP Corporate Obligations	7,695,075.21	7.7%
North Carolina STIF	-	0.0%
Money Market Mutual Funds	359,548.41	0.4%
<b>Totals</b>	<b>\$ 99,469,434.87</b>	<b>100.0%</b>

April 30, 2010

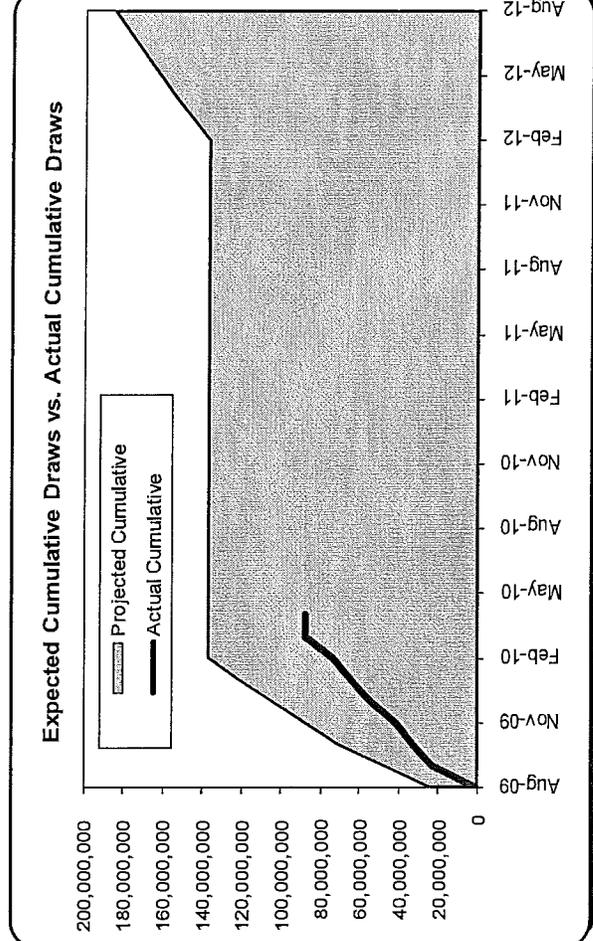
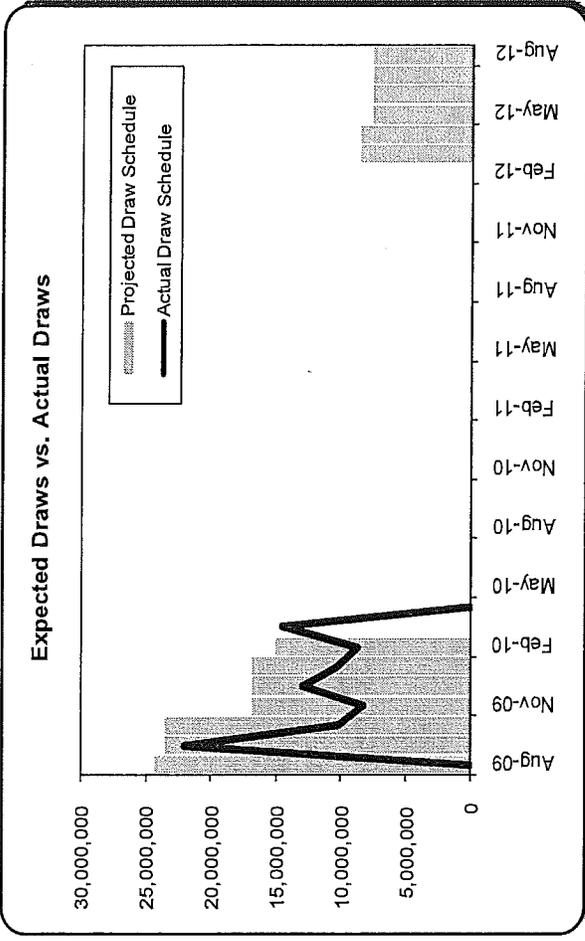
March 31, 2010

Yield at Market 1.01%

1.08%

Yield at Cost 1.32%

1.32%



### Revenue Bonds – Capital Interest

#### Maturity Distribution

	April 30, 2010	March 31, 2010
Overnight	\$ 187,383.29	\$ 187,360.64
Under 6 Months	5,997,919.98	5,996,919.84
6 - 12 Months	6,157,264.58	6,156,035.42
1 - 1 1/2 Years	6,110,121.88	6,104,450.01
1 1/2 - 2 Years	6,465,981.72	6,452,807.76
2 - 2 1/2 Years	6,570,672.22	6,552,008.68
2 1/2 - 3 Years	6,701,406.49	6,667,295.66
3 Years and Over	6,008,916.67	5,968,666.67
<b>Totals</b>	<b>\$ 44,199,666.83</b>	<b>\$ 44,085,544.68</b>

Duration 1.57

1.65

Internal Rate of Return

1.47%

#### Portfolio Composition

Security Type	April 30, 2010	% of Portfolio
U.S. Treasuries	\$ -	0.0%
Federal Agencies	24,274,223.11	54.9%
Commercial Paper	-	0.0%
TLGP Corporate Obligations	19,738,060.43	44.7%
North Carolina STIF	-	0.0%
Money Market Mutual Funds	187,383.29	0.4%
<b>Totals</b>	<b>\$ 44,199,666.83</b>	<b>100.0%</b>

April 30, 2010

March 31, 2010

Yield at Market

0.99%

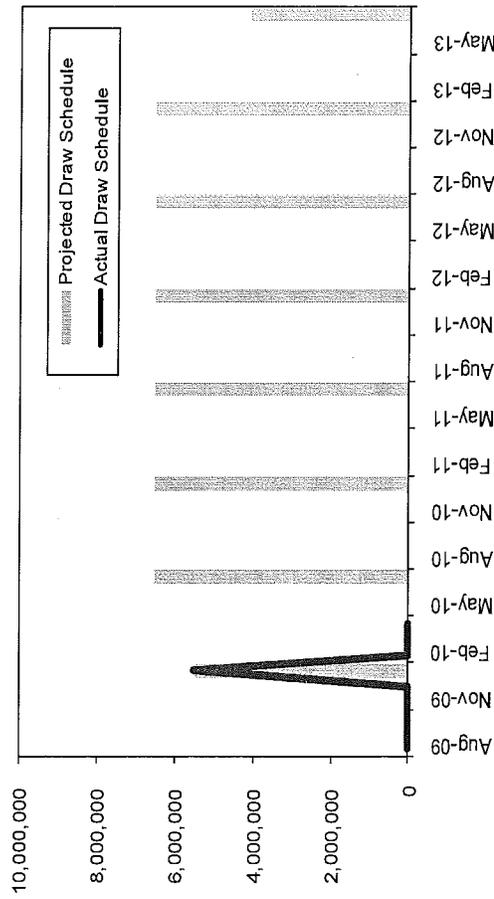
1.05%

Yield at Cost

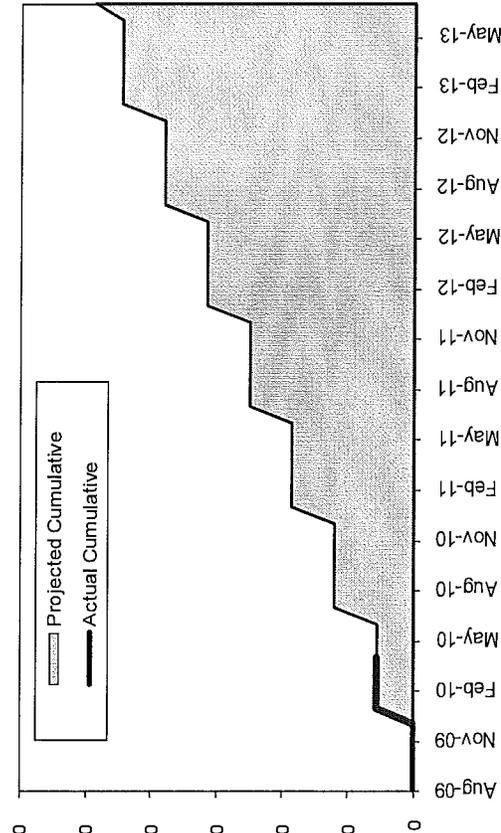
1.54%

1.54%

#### Expected Draws vs. Actual Draws



#### Expected Cumulative Draws vs. Actual Cumulative Draws



**Revenue Bonds- Debt Service Reserve**

**Maturity Distribution**

	April 30, 2010	March 31, 2010
Overnight	\$ 278,808.02	\$ 278,774.31
Under 6 Months	-	-
6 - 12 Months	-	-
1 - 1 1/2 Years	-	-
1 1/2 - 2 Years	5,113,350.70	5,096,944.45
2 - 2 1/2 Years	11,241,464.94	11,208,545.77
2 1/2 - 3 Years	7,381,682.00	7,336,697.60
3 Years and Over	3,733,428.00	3,702,944.25
<b>Totals</b>	<b>\$ 27,748,733.66</b>	<b>\$ 27,623,906.38</b>

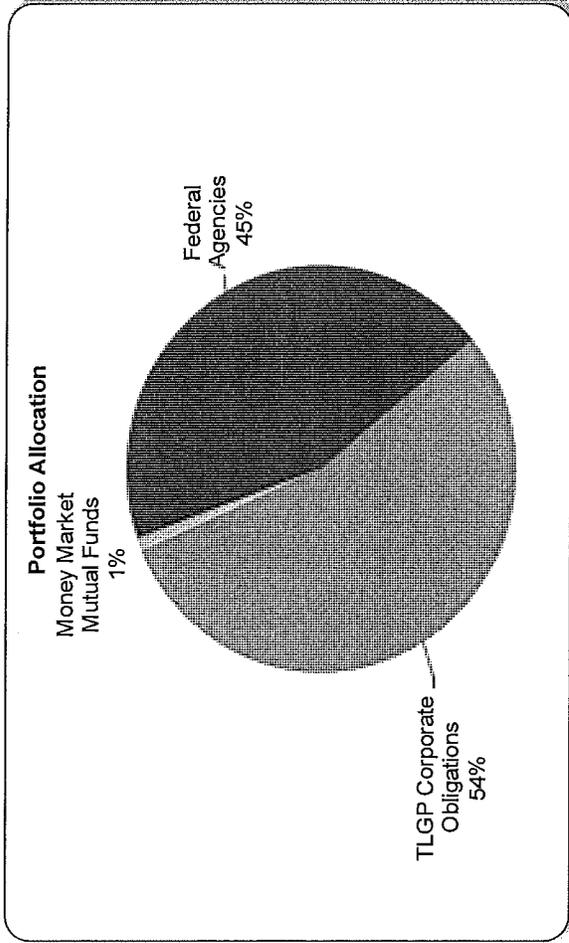
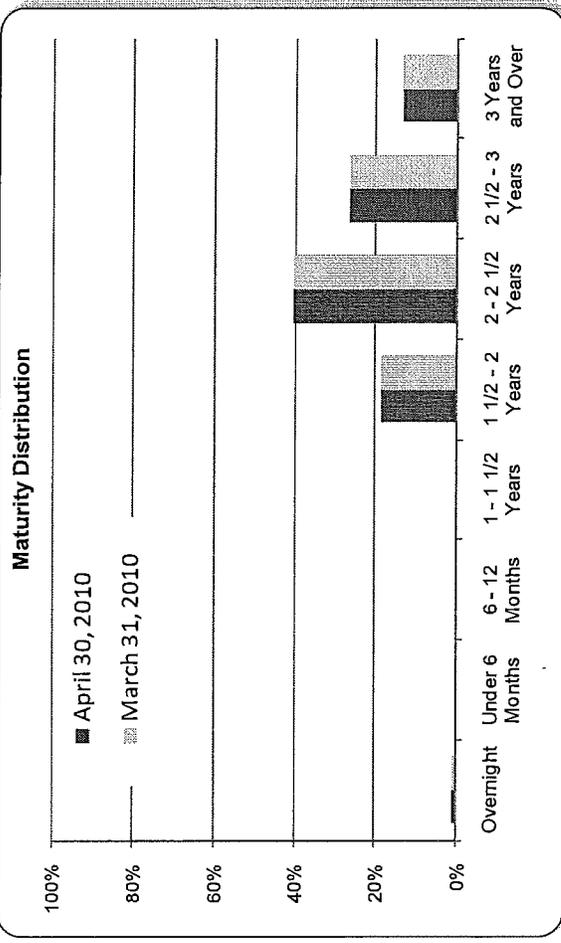
Duration 1.91 2.08

Internal Rate of Return 2.01%

**Portfolio Composition**

Security Type	April 30, 2010	% of Portfolio
U.S. Treasuries	\$ -	0.0%
Federal Agencies	12,374,759.26	44.6%
Commercial Paper	-	0.0%
TLGP Corporate Obligations	15,095,166.38	54.4%
North Carolina STIF	-	0.0%
Money Market Mutual Funds	278,808.02	1.0%
<b>Totals</b>	<b>\$ 27,748,733.66</b>	<b>100.0%</b>

	April 30, 2010	March 31, 2010
Yield at Market	1.44%	1.57%
Yield at Cost	1.98%	1.98%



**BABs – Construction**

**Maturity Distribution**

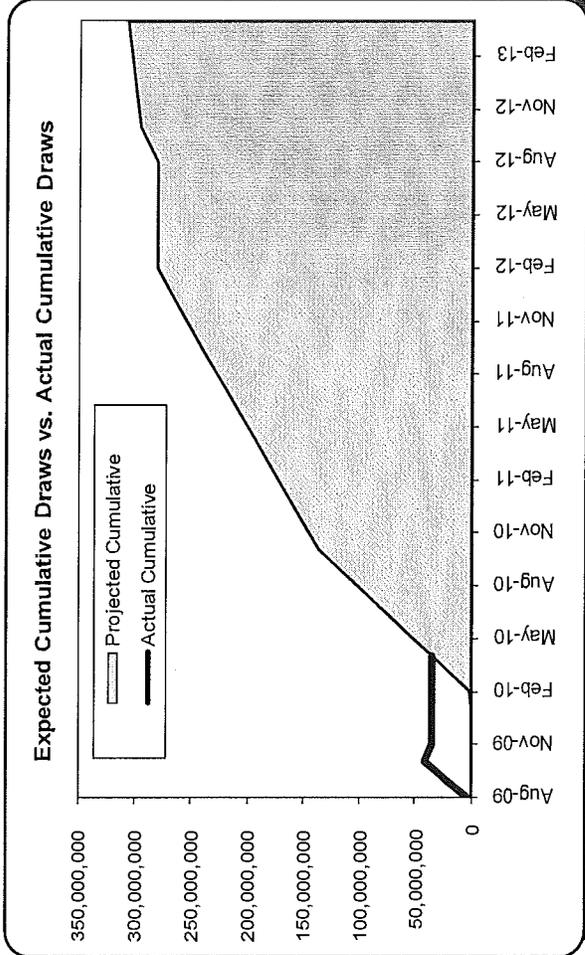
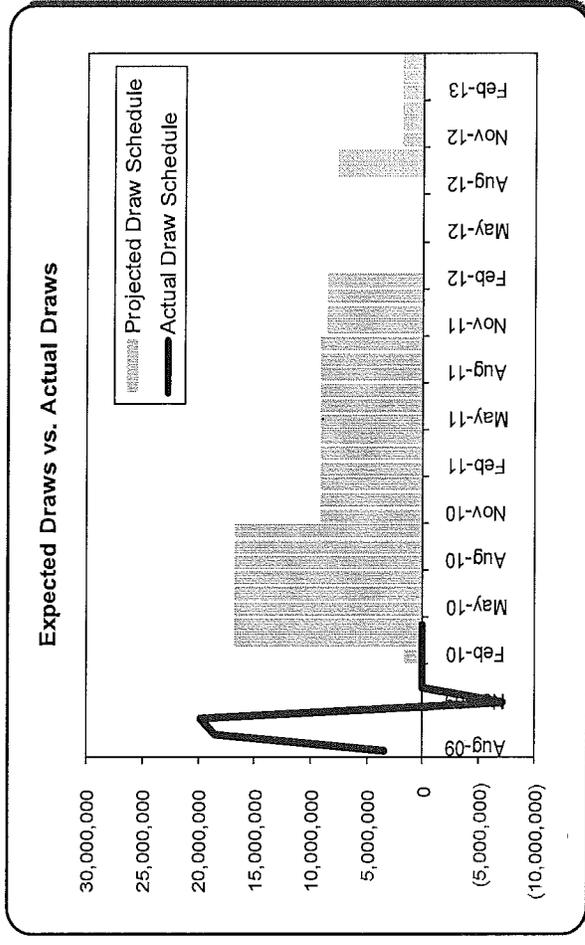
	April 30, 2010	March 31, 2010
Overnight	\$ 274,913,757.53	\$ 274,596,273.89
Under 6 Months	-	-
6 - 12 Months	-	-
1 - 1 1/2 Years	-	-
1 1/2 - 2 Years	-	-
2 - 2 1/2 Years	-	-
2 1/2 - 3 Years	-	-
3 Years and Over	-	-
<b>Totals</b>	<b>\$ 274,913,757.53</b>	<b>\$ 274,596,273.89</b>

Duration 0.00  
 Internal Rate of Return 1.59%

**Portfolio Composition**

Security Type	April 30, 2010	% of Portfolio
U.S. Treasuries	\$ -	0.0%
Federal Agencies	-	0.0%
Commercial Paper	-	0.0%
TLGP Corporate Obligations	-	0.0%
North Carolina STIF	266,284,857.76	96.9%
Money Market Mutual Funds	8,628,899.77	3.1%
<b>Totals</b>	<b>\$ 274,913,757.53</b>	<b>100.0%</b>

	April 30, 2010	March 31, 2010
Yield at Market	1.41%	1.54%
Yield at Cost	1.41%	1.54%



**BABs – Capitalized Interest**

**Maturity Distribution**

	April 30, 2010	March 31, 2010
Overnight	\$ 1,231.88	\$ 1,231.73
Under 6 Months	6,747,659.98	6,746,534.82
6 - 12 Months	7,357,409.38	7,355,940.63
1 - 1 1/2 Years	6,968,568.75	6,962,100.00
1 1/2 - 2 Years	7,561,027.01	7,545,621.97
2 - 2 1/2 Years	7,884,806.67	7,862,410.42
2 1/2 - 3 Years	-	-
3 Years and Over	-	-
<b>Totals</b>	<b>\$ 36,520,703.67</b>	<b>\$ 36,473,839.57</b>

Duration 1.12

Internal Rate of Return 1.20

1.19%

**Portfolio Composition**

Security Type	April 30, 2010	% of Portfolio
U.S. Treasuries	\$ -	0.0%
Federal Agencies	21,073,638.11	57.7%
Commercial Paper	-	0.0%
TLGP Corporate Obligations	15,445,833.68	42.3%
North Carolina STIF	-	0.0%
Money Market Mutual Funds	1,231.88	0.0%
<b>Totals</b>	<b>\$ 36,520,703.67</b>	<b>100.0%</b>

April 30, 2010 March 31, 2010

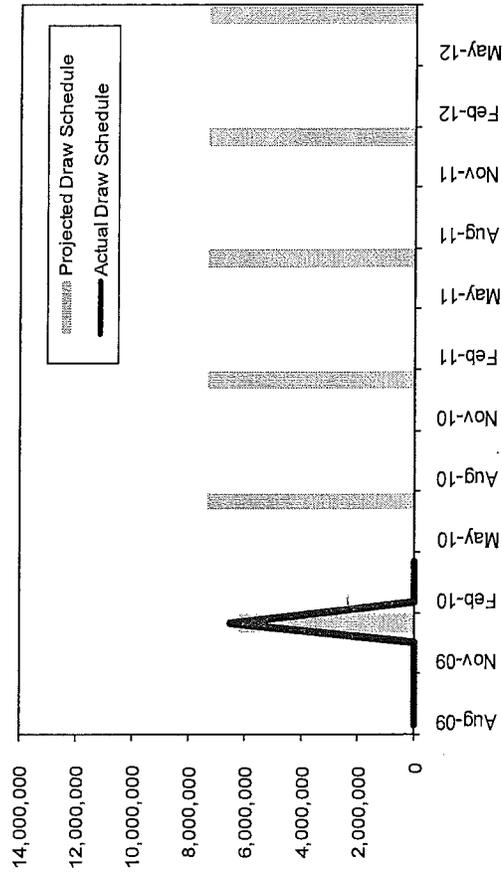
Yield at Market 0.74%

0.77%

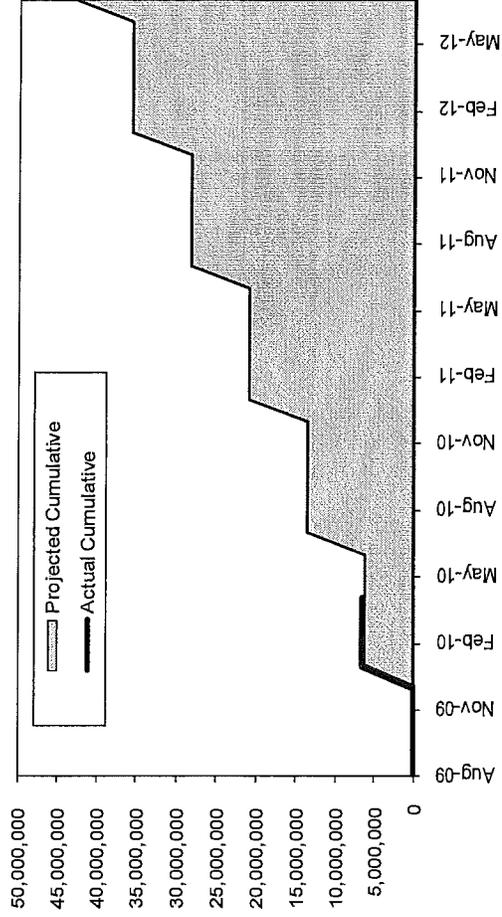
Yield at Cost 1.26%

1.26%

**Expected Draws vs. Actual Draws**



**Expected Cumulative Draws vs. Actual Cumulative Draws**



**BABs – Debt Service Reserve**

**Maturity Distribution**

	April 30, 2010	March 31, 2010
Overnight	\$ 86,826.15	\$ 86,815.65
Under 6 Months	-	-
6 - 12 Months	-	-
1 - 1 1/2 Years	-	-
1 1/2 - 2 Years	2,659,240.28	2,652,469.44
2 - 2 1/2 Years	5,357,475.29	5,342,652.75
2 1/2 - 3 Years	-	-
3 Years and Over	-	-

**Totals** \$ **8,103,541.72** \$ **8,081,937.84**

Duration 1.53

Internal Rate of Return

1.70  
1.82%

**Portfolio Composition**

Security Type	April 30, 2010	% of Portfolio
U.S. Treasuries	\$ -	0.0%
Federal Agencies	4,725,628.90	58.3%
Commercial Paper	-	0.0%
TLGP Corporate Obligations	3,291,086.67	40.6%
North Carolina STIF	-	0.0%
Money Market Mutual Funds	86,826.15	1.07%
<b>Totals</b>	<b>\$ 8,103,541.72</b>	<b>100.0%</b>

April 30, 2010

March 31, 2010

Yield at Market

1.29%

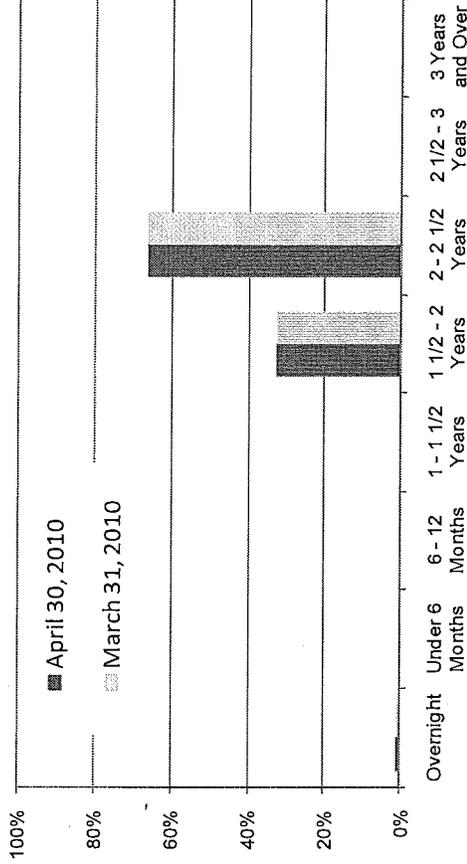
1.36%

Yield at Cost

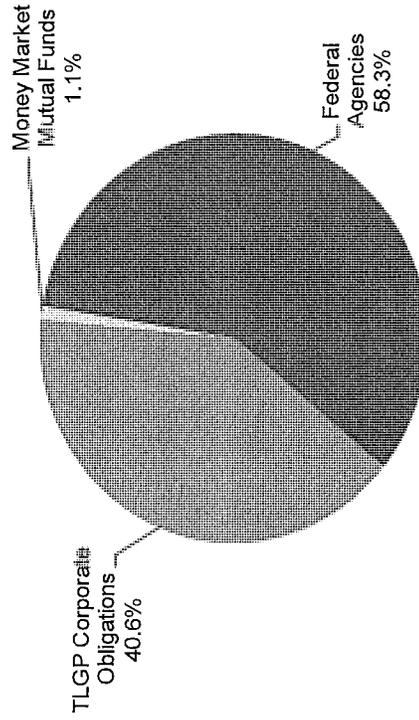
1.80%

1.80%

**Maturity Distribution**



**Portfolio Allocation**



NCTA BOD Monthly Review of Annual Plan of Work Financial Activity as of 6/1/2010

Item	Cost (thousands)				
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Pre-Construction Projects	Monroe	Gaston	Mid-Currituck	Cape Fear	Southern Wake	Total
	NEPA Activities	\$ 1,216.00	\$ 1,926.63	\$ 1,384.90	\$ 638.02	\$ 7,885.27
Engineering On-call	\$ 150.00	\$ 150.00	\$ -	\$ -	\$ 150.00	\$ 450.00
Contract and DB Contract preparation	\$ 5,457.15	\$ 6,016.33	\$ 4,887.11	\$ 177.48	\$ 417.44	\$ 16,955.52
Operations On-call	\$ 879.30	\$ 879.30	\$ 879.30	\$ -	\$ -	\$ 2,637.91
Financial/Legal/Other	\$ 1,710.00	\$ 2,460.00	\$ 1,270.00	\$ 200.00	\$ 250.00	\$ 5,890.00
Contingency (5%)	\$ 475.04	\$ 575.19	\$ 424.22	\$ -	\$ -	\$ 1,474.45

<b>Projects Total</b>	\$ 9,887.50	\$ 12,007.44	\$ 8,845.53	\$ 1,015.50	\$ 8,702.71	\$ 40,458.68
-----------------------	-------------	--------------	-------------	-------------	-------------	--------------

<b>Project Expenditures as of 5-31-10</b>	\$ 5,444.70	\$ 5,686.20	\$ 6,302.80	\$ 1,232.10	\$ 4,997.50	\$ 23,663.30
---	-------------	-------------	-------------	-------------	-------------	--------------

<b>Administrative Budget</b>						\$ 4,812.64
<b>Admin Actual as of 4-30-10</b>						\$ 2,926.44

<b>TOTAL APW</b>						\$ 45,271.31
------------------	--	--	--	--	--	--------------

# Video Tolling Camera Test

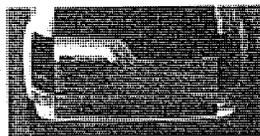
- Multiple Vendors Test



- Q-free Camera:
  - Infra-Red

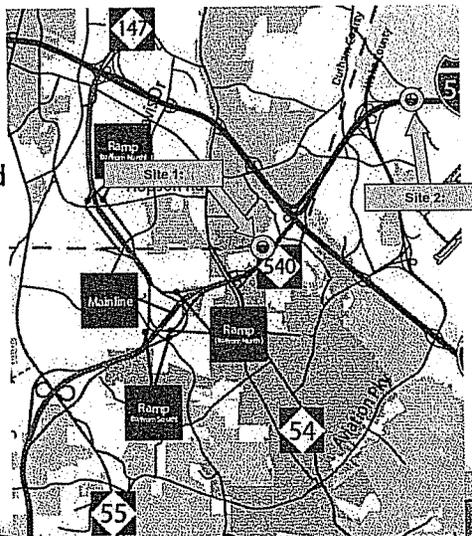


- JAI Camera:
  - LED
  - Xenon



# Video Tolling Camera Test

- Multiple Locations:
  - Interstate 540
    - Near Exit 1 Eastbound
    - Near Exit 2 Westbound





## Time Line

Lease Executed	May 24 2010
Computer room ready	Aug 15 2010
Facility Build out complete	Sep 30 2010
Furniture Install complete	Nov 01 2010
Facility Operations Testing	Mar 01 2011
Operations Begin	Jul 01 2011
Final Acceptance	Mar 30 2012



## Video Tolling Camera Update Project Update





# Back Office System & Customer Service Center Build Out Project Update



June 3, 2010

## Update on Back Office System Detail Design Review

Finalize Detail Design of all Customer Interfaces & Account Management Functionalities for Triangle Expressway Back Office System Implementation

### Functional Areas:

- Account Management
- Video Billing
- External Interfaces
- Reporting
- Transponder Inventory Management
- Telephone System
- Website
- Network Design

June 7<sup>th</sup> – June 11<sup>th</sup>

A Complete Detail Review of Key System Components and Actual Demonstrations of Each Major Functional Area will take place at the ACS Development Headquarters Located in Germantown, MD







# Driving National Toll Interoperability

IBTTA's  
*The Future of Tolling:  
Going Mainstream Through ORT  
and Interoperability*  
May 23, 2010

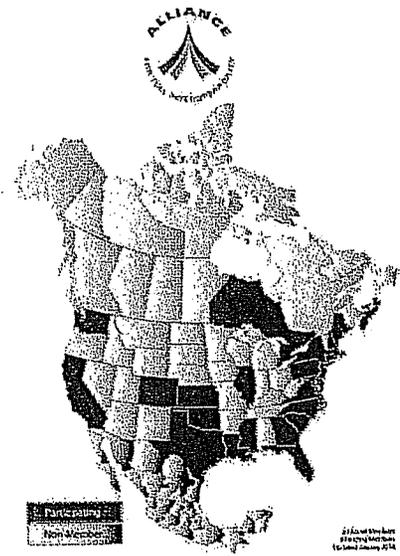
1

## About ATI

- **Incorporated as Non-profit Association in 2008:**

- **Members:**

- Approximately 40 participating toll agencies, representing 24 states and three countries
- Experienced toll operations professionals
- Vendors & consultants not permitted to join



## Who & What is ATI?

- **Establish Practical Solutions for Interoperability:**
  - Focus on data exchange through standard business rules, *not new technology*
  - Interface with various technologies in use today
  - Deploy proven approaches
- **Drive Change**
  - Stop following and re-acting
  - Drive technology, don't adapt
- **Open the lines of communication**
  - Agency to agency
  - Trade organizations
  - We must work together to make interoperability a reality!



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## Why Move for Change?

- **Evolving Business**
  - Cash to Open-Road to All Electronic Tolling
    - Customer vs. Violator – the definition changed
    - What'
  - Mobile World
    - New customers, even old customers are demanding interoperability
  - Money Sense
    - Triangle Expressway saved *\$60 million!*



4

## Involvement

- International Bridge Tunnel & Turnpike Association
- AASHTO
- ITS America
- Congress
- Federal Highway Administration
- American Trucking Association
- I-95 Corridor Coalition
- American Association of Motor Vehicle Administrators
- InterAgency Group
- IntelliDrive
- OmniAir



5



## Moving Forward: What to Expect in 2010

*Initiative / Committee Updates*

6

## Violation Enforcement Reciprocity

### Issue:

**Enforcing toll violations for out-of state drivers. No current legislation or state agreements in place.**

- Initial discussions on February 19, 2010
  - Over 50 participants in 19 states
  - Established a committee
- Committee meetings on March 17 and May 12, 2010



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## Violation Enforcement Reciprocity

- Addressed questions and concerns
  - Individual state needs
  - Due process and adjudication
  - Penalties and fines
  - DMV involvement
- Outlined a 'Proposed Process'
- Established 'Essential Elements'



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## Violation Enforcement Reciprocity

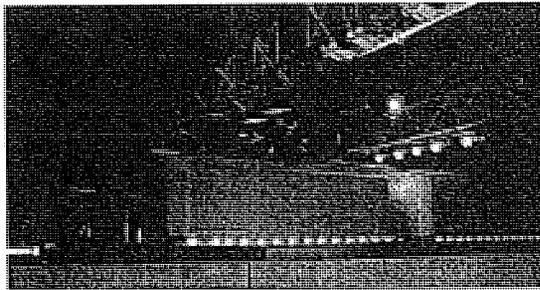
- Major Decisions:
  - No compact needed yet, only legislation/MOU
  - Initial participation on state to state level
  - Registration hold is the most viable 'hammer'
  - Due process determined by individual states
  - \$\$ thresholds will be set by individual states
  - Civil/Criminal punishment determined by individual states
  - AAMVA/DMV participation is crucial



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## Violation Enforcement Reciprocity

- Established 3 critical subcommittees:
  - Legislative Drafting Committee
  - AAMVA/DMV Participation Committee
  - Fleet/Registration Cancellation Committee



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## Violation Enforcement Reciprocity

- Next Steps
  - Committee will meet in late June or July
  - Subcommittees will begin addressing major obstacles and provide possible solutions
  - Begin conversations with AAMVA and individual state's DMVs
  - Draft legislation and establish key terms



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## Questions?



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## Video Pilot Program

- 2009: ATI issued an RFI,
- Feb 2010: Florida's Turnpike hosted RFI presentations:
  - ACS
  - BancPass
  - ETC
  - FIS (Fidelity)
  - Highway Toll Administration
  - Kapsch/First Data



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## Video Pilot Program

- Feb 2010 ATI Information Presented
  - Two companies presented comprehensive solutions and were basically "ready to go" with Interoperable exchange of license plate image-based transactions.
    - One company solicited ATI members to participate in a test program with their beta-test application.
    - The other presented a very comprehensive migration plan and addressed a number of implementation issues.



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## Video Pilot Program

- Feb 2010 ATI Information Presented

- Other presenters also provided interesting offers and provoked much discussion.



- All indicated that transaction format or interface issues would be easy to address through translators – technology is not the issue.
  - Several companies specifically offered to set up a network at no cost of entry and some pennies per transaction, based on the volume of transactions and restrictions and requirements of a service contract.



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## Video Pilot Program

- Feb 2010 ATI Information Presented

- Two companies presented smaller-scale options available immediately which would require individual accountholders to take initiatives to open interoperable accounts.

- Options presented for funds settlement, periodically or in near-real time.



- All the presentations recommended or assumed a hub-based approach of some sort for exchange of transactions.



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## Video Pilot Program

- Feb 2010 ATI Information Presented
  - “Guaranteed payment” in an interoperable environment discussion.
  - Potential a la carte ‘add-on’ services for individual agencies, such as
    - License plate look up,
    - Image processing.
    - Account management.



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## Video Pilot Program

- Feb 2010 ATI Information - Findings
  - Technically possible for broad-based interoperability via exchange of image-based-transactions, by the end of 2010 / early 2011.
  - Could also apply to RFID (tag) transactions.
  - Procurement restrictions recognized.
  - Important to ensure that no single firm would gain control or ownership of data.



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## Video Pilot Program

- Feb 2010 ATI Information - Findings
  - Basic service needed
    - For broad range of interoperable system participants.
    - Exchange / match up image-based transactions and license plates.
  - Ideally, agencies could purchase various operations- and interoperability-related services from a pool of vendors, at a very high degree of efficiency and a very low cost.



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## Video Pilot Program

- So... ATI to develop RFP for base services in a Pilot phase:
  - Release RFP for vendors to demonstrate a a video ("image-based toll" – IBT) transaction exchange system,
  - Enable ATI members to test system function and practicality at no cost.
  - Enable ATI membership to formulate business rules, and their limits.



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## Video Pilot Program

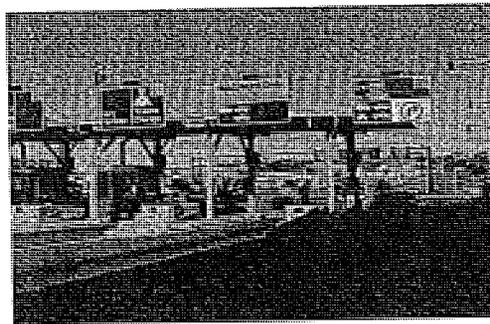
- A couple definitions:
  - “Home Agency”
    - Toll account manager. Examples:
      - Public toll CSCs: ISTHA, NY CSC, SunPass,
      - Private toll agency CSC: Indiana’s ITRCC,
      - A private acct manager: BancPass,
      - Rental Car programs: Highway Toll Administration (HTA).



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## Video Pilot Program

- A couple definitions:
  - “Away Agency”
    - Toll facility operator generating toll transaction:
      - Public toll roads with or without their own CSCs,
      - Private toll roads: Greenway, ITR, SR 125.



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## Video Pilot Program

- A couple definitions:
  - “Home Agency”
    - The entity that maintains the toll account.  
Examples:
      - Public toll agency CSCs: ISTHA, NY CSC, SunPass,
      - Private toll agency CSC: Indiana’s ITRCC,
      - A private account manager such as BancPass,
      - Rental Car program manager such as Highway Toll Administration (HTA).



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## Video Pilot Program

- A couple definitions:
  - “Away Agency”
    - The entity that runs a toll facility and generates the toll transaction:
      - Public toll roads with or without their own CSCs,
      - Private toll roads: Greenway, ITR, SR 125.



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## Video Pilot Program

- A couple definitions:
  - “Video Toll” = Image-Based Transaction (IBT),
    - Terms are used interchangeably: “IBT” is more precise but “video toll” is more widely used,
  - “Video Toll” ≠ Violation... Not Initially, Anyway
    - It’s just a transaction using the license plate to ID the vehicle rather than a transponder.



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## Video Pilot Program

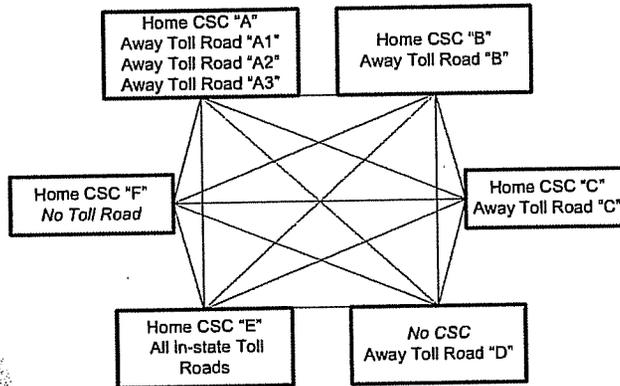
- A couple definitions:
  - “Hub System” = from an IT perspective, what the Pilot Program vendors will be asked to provide:
    - A single origin and destination for Home Agency listings of valid license plates linked to toll accounts.
    - A single origin and destination for Away Agency video transactions.



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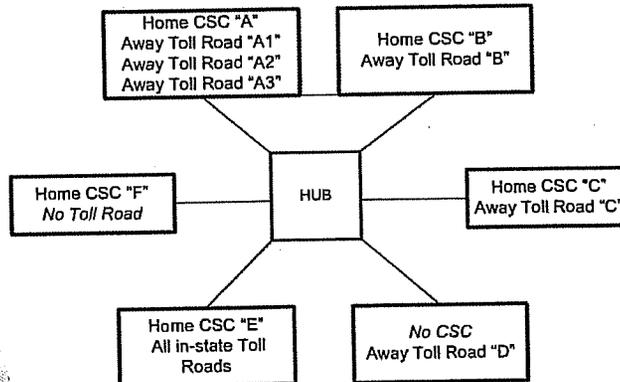
# Video Pilot Program

- A couple definitions:
  - “Hub System” – not



# Video Pilot Program

- A couple definitions:
  - “Hub System”



## Video Pilot Program

- Key vendor tasks:
  - Tie into Home Agencies to
    - Accept valid license plate lists and
    - Present matched toll transactions,
  - Tie into Away Agencies to
    - Accept video toll transactions,
    - Present matched valid license plates,
  - Provide activity reports to general ATI membership,
  - ATI's system will not including financial clearing or settlement during the pilot phase.



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## Video Pilot Program

- Key contractual features:
  - Zero-price terms to conduct the Pilot Program requested,
  - Open to multiple Pilot Program providers.
  - Pilot Program providers will be free to offer supplemental services to hub system users, such as settlement or other financial services.
  - Home agencies **ONLY** have to provide valid license plates linked to valid toll accounts
    - No owner information or credit card / banking information.



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## Video Pilot Program

- Key Pilot Program user features:
  - Program access to all ATI Member agencies,
  - Program access ALSO open to private sector home or away agencies such as private account managers or concession company operators for a small access fee.
  - ATI-imposed business rules to be kept to a bare minimum for the Pilot Program to function. Individual toll agencies need freedom to choose and apply their own rules.



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## Video Pilot Program

- Schedule of Development

	Issue RFP	July 2010
Pilot Program Operator Selection or Ranking		September 2010
Kickoff Meeting with Program Operator and Participating Members and Companies		October 2010
Begin Pilot Program Operations		January 2011
Close Pilot Program Operation		December 2011



- Comments received from one agency – we need yours NOW.

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## Interoperability Coming Together

- Two parts of encouraging interoperable toll payment:



–Video Pilot Program and



–Out-of-State Toll Violation Enforcement Reciprocity



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## Questions?



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## Industry Trends & Next Steps

- Technological Interoperability
  - Benefits of NCTA's Tag & Reader Procurement
  - NCTA Camera Test
  - Deploying ISO 18000 6C – Georgia, Texas, Florida, Washington, Utah
  - Tolling the I-95 Corridor
  - IBTTA's Interoperability Committee



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To view the live video of this presentation  
please go to:

<http://www.ibtta.org/Events/contentfull.cfm?ItemNumber=4665&token=807&userID=>



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**Thank you!**

**Alliance for Toll Interoperability**  
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