



Board of Directors Finance Committee Meeting North Carolina Turnpike Authority

October 17, 2018

Complete 540 Design-Build Procurement Update

Rodger Rochelle, P.E. NCTA Chief Engineer

Complete 540

- R-2721A
 - 4.3 mile new location
 - ~ 190 parcels
- R-2721B
 - 4.9 mile new location
 - ~ 210 parcels
- R-2828
 - 8.6 mile new location
 - ~ 250 parcels



June 6, 2018

Summer 2018

September 4, 2018

Late 2018/Early 2019

Current Project Schedule

- Record of Decision:
- Corridor Permit Application:
- Advertisement for ROW Acquisition Firm(s) (R-2721A & R-2721B)
- Right of Way Plans for R-2721A & R-2721B: Fall 2018
- Anticipate Permits:

(phased for R-2828 & construction for R-2721A and R-2721B)

- Design-Build Contract Letting
 - R-2828:
 - R-2721B:
 - R-2721A:
 - R-2829:
- Complete Project Finance

November 2018 February 2019 April 2019 Future (2027) Early 2019

Status and Next Steps

	R-2828	R-2721B	R-2721A
Advertisement	✓ April 16	✓ July 2	✓ September 4
SOQ Due Date	✓ May 11	✓ July 31	✓ October 2
Shortlist Date	✓ May 24	✓ August 14	October 18
Issue 1 st Draft RFP	✓ May 24	✓ August 14	October 18
Debrief Teams	✓ Week of June 4	✓ Week of Aug. 27	Week of Oct. 29
1 st Meeting with Teams	✓ June 7	✓ August 28	November 1
Issue 2 nd Draft RFP	✓ June 19	✓ August 31	November 20
2 nd Meeting with Teams	✓ July 10	✓ September 25	December 6
Issue 3 rd Draft RFP	✓ July 19	✓ October 9	December 20
3 rd Meeting with Teams	✓ August 7	October 23	January 8, 2019

Status and Next Steps

	R-2828	R-2721B	R-2721A
Issue Final RFP	✓ August 14	November 6	January 22, 2019
Technical Proposals Due	October 30	January 29, 2019	March 27, 2019
Price Proposals Due	November 14	February 12, 2019	April 10, 2019
Open Price Proposals	November 20	February 19, 2019	April 16, 2019

Proposed 2009 Triangle Expressway TIFIA Loan Refunding

David Roy NCTA Director of Finance

David Miller PFM Financial Advisors

Wally McBride Hunton Andrews Kurth

TIFIA Refunding Overview

David Miller PFM Financial Advisors



North Carolina Turnpike Authority 2009 TIFIA Loan Refunding Overview

October 17, 2018

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Existing 2009 TIFIA Loan Summary

- Subordinate TIFIA Loan for Triangle Expressway System
- Dated July 1, 2009
- Approved for up to \$386 million; only \$372 million drawn
- Interest accrued through 2014 bringing current loan balance to \$430.4 million
- Covenant to fully repay by 2047 35 years after substantial completion
- Principal repayment is flexible based on a 45% "cash sweep" of pledged revenue available after senior lien debt service



Additional Revenues Accelerate Repayment

- TriEx toll revenues higher than the original projections plus debt service savings from 2017 refunding each accelerate TIFIA repayment
- Adding Complete 540 Revenues would accelerate repayment even more to 2038



TIFIA Debt Service

- Original Loan Schedule at Inception (2009)
- Current Amortization based on Existing System Only
- Projected Payments based on Existing System Revenues impacted by Complete 540



Triangle Expressway System Cash Flows with Complete 540

 Using total projected cash flows, the financial plan has little room to accelerate TIFIA through 2038, especially in years 2022 - 2033





Refunding Assumptions & Results

Date Assumptions

- Dated and Delivery Date: December 12, 2018
- First Coupon: July 1, 2019
- Call Date: January 1, 2029
- Interest Rate and Insurance Assumptions
 - Baseline MMD AAA index as of October 2 plus credit spreads
 - Uninsured: Maturities 2020 through 2029
 - -Insured: Maturities 2030 through 2041
 - Insurance premium of 60 bps total debt service
 - Surety premium of 5.00% of the DSRF requirement assumed to be 50% of the lesser of three test
- Debt Service Reserve Fund
 - The existing TIFIA DSRF will be used as a contribution to reduce the refunding bond size



Indicative Results: Market Refinancing of Existing TIFIA Loan

- NCTA can achieve approximately \$4.4 savings (\$17.5 million cash flow savings) by refinancing the existing TIFIA loan on its senior lien
 - Refinancing assumes final principal repayment in 2041
 - Assumes surety funded senior lien DSRF sized at 50% of the three-prong test and \$5.31 million deposit from TIFIA DSRF to repay TIFIA loan
 - If benchmark rates increase by 13 basis points across the curve, the refunding will break even on a PV Savings basis

Statistics	
Delivery date	12/12/2018
Refunded Par	\$430,405,953
Refunding Par	\$387,085,000
Arb Yield	3.74%
True Interest Cost	4.07%
All-in TIC	4.17%
Average Life (yrs)	16.99
Net Cash Flow Savings	\$17,602,801
Net PV Savings @ arb yield	\$4,491,427
NPV Savings as a % of Refunded Par	1.04%
Surety DSRF Cost	\$367,345

Refunding Overview at Current MMD

Summary of Cash Flow Savings (6/30 Fiscal Year)



Note: Assumes rates as of October 10, 2018, COI of \$665,000 and Underwriter's Discount of \$2.31/bond. Assumes bond insurance for refunding bonds maturing after 2029

Senior Lien TIFIA Refunding Sensitivity Analysis





Refunding Criteria & NPV Savings

- Net Present Value ("NPV") Savings Typically it's recommend to achieve at least 3.0% of Net Present Value ("NPV") Savings for a current refunding
- Based on interest rates as of October 11th, estimated savings are 1.04%
- Economic savings are not the main driver for this transaction. The key drivers are:
 - Removal of the cash sweep to gain capacity for future debt to fund the Complete 540 Project
 - Flexibility to amend the debt service reserve fund requirements on future debt (and TIFIA Loans)

				D
Date	Prior Net Cash	Refunding	Savings	Present Value
	Flow	Debt Service ¹		Savings ²
7/1/2019	10,736,676	10,696,913	39,763	47,410
7/1/2020	20,448,819	19,650,100	798,719	759,641
7/1/2021	21,313,230	20,513,875	799,355	724,790
7/1/2022	21,431,040	20,634,000	797,040	695,017
7/1/2023	21,786,477	20,988,625	797,852	666,915
7/1/2024	22,218,495	21,419,000	799,495	639,661
7/1/2025	23,877,124	23,080,375	796,749	600,610
7/1/2026	25,241,965	24,445,750	796,215	566,908
7/1/2027	26,768,286	25,969,250	799,036	535,469
7/1/2028	28,362,106	27,565,500	796,606	500,562
7/1/2029	26,829,066	26,032,875	796,191	488,937
7/1/2030	31,189,340	30,389,375	799,965	443,358
7/1/2031	33,036,908	32,238,375	798,533	410,840
7/1/2032	35,063,660	34,265,000	798,660	379,131
7/1/2033	30,836,348	30,038,000	798,348	383,703
7/1/2034	32,953,664	32,155,625	798,039	353,754
7/1/2035	34,450,727	33,651,625	799,102	328,621
7/1/2036	35,898,920	35,101,125	797,795	303,132
7/1/2037	37,252,621	36,456,250	796,371	278,902
7/1/2038	46,713,546	45,915,000	798,546	219,014
7/1/2039	49,813,759	49,015,125	798,634	188,439
7/1/2040	61,065,654	60,265,000	800,654	123,848
7/1/2041	56,171,632	55,370,500	801,132	157,764
Total	733,460,065	715,857,263	17,602,801	9,796,425
PV of savings from cash flow			9,796,425	
Less: Prior funds on hand			(5,308,074)	
Plus: Refunding funds on hand			3,076	

1. Based on interest rates as of October 11, 2018.

Net PV Savings as a % of refunded par

Net PV Savings

2. Discounted at the arbitrage yield of the refunding bonds (3.75%).

4,491,427

1.04%



Impact on Complete 540 Plan of Finance

Scenario Analysis:

- Scenario A Refunding of 2009 TIFIA Loan and Amendments to Debt Service Reserve Requirements
- Scenario B 2009 TIFIA Loan remains outstanding without any amendments

Results:

- Scenario A Fully funded, marketable plan of Finance
- Scenario B The PV Cost to <u>not</u> refund the TIFIA Loan, is estimated to be \$28.8 million
 - The resulting plan of finance requires the use of a large amount of deferred interest debt products which may be difficult to market, and the General Reserve balance is reduced to less than \$1 million (below the targeted minimum of \$50 million) which may be unacceptable to NCTA

	Scenario A	Scenario B
TIFIA Refunding		
Refunding Savings		
Cash Flow \$	17,602,801	n/a
NPV \$	4,491,427	n/a
NPV %	1.04%	n/a
2019 Complete 540 Toll Revenue Bonds & Futu	ire TIFIA Loan	
Current Interest Bonds	557,085,000	-
Convertible Capital Appreciation Bonds	-	465,746,022
Capital Appreciation Bonds	66,484,250	66,484,250
Premium	9,470,391	-
TIFIA Loan	492,970,168	443,565,681
Total Proceeds	1,126,009,809	975,795,954
Less Capitalized Interest (thru 7/1/2024)	(134,769,399)	-
Less Issuance Costs	(19,704,310)	(4,259,854)
Proceeds for Project Costs	971,536,100	971,536,100
Total Debt Service		
2009 TIFIA Loan DS	-	678,478,209
2018 Refunding Bond DS	715,857,263	-
2019 Complete 540 Bond Net DS	1,457,053,125	1,737,927,710
Complete 540 TIFIA DS	1,135,352,971	982,288,259
Total Bond and TIFIA Debt Service	3,308,263,360	3,398,694,177
Change from Scenario A	-	90,430,818
PV of Total Bond and TIFIA DS	1,377,071,449	1,405,354,341
Change from Scenario A	-	28,282,892
Coverage		
Senior Lien & TIFIA		
Minimum	1.51x	1.37x
Average thru 2049	1.83x	1.84x
All-in		
Minimum	0.90x	0.86x
Average thru 2049	1.14x	1.12x
General Reserve		
Minimum Balance	52,014,695	962,575
Minimum Year	2029	2037
# of years below \$50 million	-	9



Refunding Status Update

- Assured Guaranty Moving forward with the refunding would require consent or a waiver from Assured Guaranty. NCTA and PFM are in communications with AG who is aware the request may be forthcoming.
- Preliminary Ratings Fitch Ratings, Moody's Investor Services and S&P Global Ratings visited NCTA and toured the Triangle Expressway during September 26-27. Analysts were updated on the existing Triangle Expressway and the upcoming Complete 540 project.
- LGC NCTA staff has been in communication with LGC staff to ensure the timeline is acceptable should the committee decide to recommend further action

Thank You



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TIFIA Refunding Bond Documents

Wally McBride Hunton Andrews Kurth

Refunding Bond Documents

Third Supplemental Trust Agreement

- Between the Authority and Wells Fargo as Trustee
- Amends the original 2009 Trust Agreement and states terms for 2018 Bonds (rate, maturity, etc.) and bond insurance if obtained

Bond Order

• Short formula document to be adopted by the Authority as required by Revenue Bond Act

Refunding Bond Documents

Preliminary Official Statement

- Main marketing document for the 2018 Bonds
- Describes the Project and revenues as security for the 2018 Bonds
- Includes 2018 Traffic and Revenue Study and discusses new interchanges and future expansions

Official Statement

• After sale the POS is updated with actual 2018 Bond terms and sent to purchasers

TIFIA Refunding Schedule

David Roy NCTA Director of Finance

Preliminary Schedule

Date	Action
October 17	Finance Committee Meeting
November 5	NCTA Special Board Meeting to Approve Refunding
November 6 / 13	LGC Meeting – Approval of Refunding
November 7 / 14	Preliminary Official Statement released
November 28	Negotiated Bond Sale
November 30	NCTA Board Meeting, Pre-Closing
December 3	Closing

TIFIA Refunding Resolutions

David Roy NCTA Director of Finance

Finance Committee Resolution

In light of the following considerations, the restructuring or amendment of the terms of the TIFIA Series 2009 Bond is not feasible at this time and it is vital for the Authority's future financings to amend certain provisions of the Trust Agreement

- USDOT will not negotiate at this time
- USDOT restricted rate will be "market" when agreed
- Amendments are necessary for a reasonable maturity schedule
- Litigation adds unknown timing element concerning when USDOT will negotiate

Recommend the Authority issue the Series 2018 Bonds to refund the TIFIA Series 2009 Bond unless such refunding is expected to result in negative present value debt service savings in excess of [___]% (calculated in the traditional manner)

The Authority Board Resolution will include provisions comparable to the following:

- It is necessary and expedient to issue the Series 2018 Bonds to refund the TIFIA Series 2009 Bond unless such refunding is expected to result in negative present value debt service savings in excess of [____]% (calculated in the traditional manner).
- The refunding of the TIFIA Series 2009 Bond is feasible.
- The amount of debt to be incurred in connection with the refunding of the TIFIA Series 2009 Bond and the fees to be paid in connection therewith are sufficient but not excessive for the intended purpose.
- The Authority has not defaulted on any debt obligation.
- The Authority follows the debt management guidelines of the LGC.
- The anticipated toll revenues, based on both traffic and revenue studies and the actual history of the Triangle Expressway System, will be sufficient to service the proposed Series 2018 Bonds.
- The Series 2018 Bonds may be issued at reasonable rates of interest.

The Authority will designate, and request the LGC approve, to the extent necessary, the following parties working in the following capacities in connection with the Series 2018 Bonds:

Underwriters:

Senior Manager

Financial Advisor: Professional Engineers: Traffic and Revenue Consultant: Trustee and Escrow Agent: Underwriters' Counsel: Bond Counsel: Authority Counsel: J.P. Morgan Securities

PFM Financial Advisors, LLC
HNTB
CDM Smith
Wells Fargo Bank, N.A.
McGuireWoods LLP
Hunton Andrews Kurth LLP
Ebony Pittman, Esq, of Attorney General's Office

The Board hereby adopts the Bond Order and

- approve the issuance of the Series 2018 Bonds to provide funds, together with other available funds, to (a) refund the TIFIA Series 2009 Bond, (b) pay the costs incurred in connection with the issuance of the Series 2018 Bonds, (c) pay the premium on a bond insurance policy for certain Series 2018 Bonds, if cost effective, and (d) pay the premium for a debt service reserve insurance policy with respect to the Series 2018 Bonds, if cost effective;
- approve the form of and the execution and delivery by the Chairman or other officers or employees of the Authority of the Third Supplemental Trust Agreement and the Bond Purchase Agreement in substantially the form presented at the meeting;
- approve the sale of the Series 2018 Bonds to the Underwriters;

- approve use of the Preliminary Official Statement and the Final Official Statement by the Underwriters for the marketing of the Series 2018 Bonds;
- approve the refunding of the TIFIA Series 2009 Bond; and
- approve all other actions necessary for the issuance of the Series 2018 Bonds and the continued financing of the Triangle Expressway System; provided the specific terms and conditions for such actions and the documentation thereof must be within the limits stated in the resolution and as otherwise approved by the Chairman or other officers or employees of the Authority as provided in the resolution.

[]

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Authority Board Resolution

Imposes the following limits: [all to be determined]

- Final maturity date of Series 2018 Bonds:
- Maximum aggregate principal amount:
- Maximum interest rate for Series 2018 Bonds:
- Maximum % of aggregate discount to Underwriters: []
- [Minimum net present value savings:]

- Authorize and direct the Chairman and the other officers and employees of the Authority to take such action deemed necessary and appropriate to accomplish the issuance to the Series 2018 Bonds under the Act and the Revenue Bond Act
- Reaffirm and ratify all prior resolutions and actions taken in connection with the issuance of the Series 2018 Bonds and the financing of the Triangle Expressway System
- Confirm that, pursuant its Toll Rate Policy adopted on September 17, 2008, and resolutions adopted with respect to the Triangle Expressway System on December 20, 2012, June 20, 2013, and August 4, 2016, the Schedules of Toll Rate Adjustments provided by CDM Smith are used for percentage rate increases for the Triangle Expressway System

- Designate and establish the Authority's tax covenants in the Trust Agreement and the certifications and covenants in the Non-Arbitrage and Tax Certificate delivered upon issuance of the Series 2018 Bonds as its written procedures. The Authority's Director of Finance and Budget is designated as the officer charged to undertake or supervise compliance checks under such written procedures, as they may be supplemented from time to time.
- Designate the Director of Finance and Budget as the officer charged to undertake or supervise regular review for compliance with the continuing disclosure requirements agreed to by the Authority under the Trust Agreement with respect to the Series 2018 Bonds, as they may be supplemented from time to time.
- Request the LGC to approve the issuance of the Series 2018 Bonds and any other action requiring its approval in connection therewith.

NCTA Investment Update

David Calvert PFM Asset Management



North Carolina Turnpike Authority

Investment Update

October 17, 2018

PFM Asset Management LLC 213 Market Street Harrisburg, PA 17101 717.232.2723 pfm.com



Economic Update



Gross Domestic Product

- U.S. Gross domestic product (GDP) grew at an annualized rate of 4.2% in the second quarter of 2018, the fastest pace since 2014.
- Over the past 12 months, the ISM manufacturing index has accelerated from 58.5 to 59.8.




Strong Labor Market Supports Uptick in Wages

- For the 12 months ending September 30, 2018, the U.S. labor market added 2.5 million jobs.
- The unemployment rate improved from 4.1% to 3.7%.
- Wage growth remains modest, with average hourly earnings a key measure of wage growth at 2.8%.





Consumer Confidence Continues to Climb

- Consumer confidence has improved from 126.2 to 138.4 over the last 12 months.
- For the 12 months ending September 30, 2018, the S&P 500 Index rose 17.9%.





FOMC's September "Dot Plot" Projects One More Rate Hike in 2018





Source: Federal Reserve and Bloomberg. Individual dots represent each Fed members' judgement of the midpoint of the appropriate target range for the federal funds rate at each year-end. Fed funds futures as of 9/26/18.



Short-Term Yield Increases Outpace Longer-Term Yields

Tenor	Current 9/30/18	Year-End 12/31/2017	Year-End 12/31/16
3 month	2.20%	1.38%	0.45%
6 month	2.36%	1.53%	0.61%
1 year	2.56%	1.73%	0.82%
2 year	2.82%	1.88%	1.21%
3 year	2.88%	1.97%	1.47%
5 year	2.95%	2.21%	1.95%
10 year	3.06%	2.41%	2.48%

U.S. Treasury Yield Curve





Shorter-Term Yields March Higher While Longer-Term Yields at its highest since 2011



Source: Bloomberg



Yield Curve Has Flattened Sharply





North Carolina STIF vs. 3-month Treasury Bill





Short-Term Credit Spreads Have Tightened

• With commercial paper and bank certificate of deposit (CP/CD) yield spreads grinding to 12-month lows, short-term credit instruments have begun to look somewhat more expensive relative to Treasuries and Agencies





Triangle Expressway



Triangle Expressway – Overview of Invested Funds

		PFN	I Funds Liquidity	y PFM Managed			
NCTA Acccount	STIF Account		Account		Portfolio		Total
				-			
Revenue Bonds - Debt Service Reserve		\$	3.82			\$	3.82
BABs - Debt Service Reserve		\$	79,873.69	\$	8,050,835.11	\$	8,130,708.80
A.P.A. Triangle 2009	\$ 25,621,596.69	\$	58,206.13			\$	25,679,802.82
S.A. Revenue Fund		\$	3,161,301.77			\$	3,161,301.77
General Reserve Triangle	\$ 77,402,502.69	\$	7,479,337.38			\$	84,881,840.07
2009 Revenue Triangle		\$	57,930.85			\$	57,930.85
2009 Senior Interest		\$	459,409.60			\$	459,409.60
2009 S.A. Interest		\$	13,354,087.85			\$	13,354,087.85
NCTA TIFIA DSR Triangle 2009		\$	5,333,987.65			\$	5,333,987.65
TIFIA Debt Service Account		\$	4,629,327.56			\$	4,629,327.56
Operations & Maintenance Expense Fund		\$	1,327,892.35			\$	1,327,892.35
Renewal & Replacement Fund		\$	2,034,927.99			\$	2,034,927.99
Operating Revenue Fund		\$	4,089,468.34			\$	4,089,468.34
2017 Turnpike Revenue - Interest		\$	2,443,018.47			\$	2,443,018.47
2017 Turnpike Revenue - Principal		\$	2,506,668.62			\$	2,506,668.62
2018 Triangle Interest		\$	1,496.63			\$	1,496.63
Total	\$ 103,024,099.38	\$	47,016,938.70	\$	8,050,835.11	\$	158,091,873.19



BABs Debt Service Reserve (as of September 30, 2018)



Credit Quality



Securitiy Type	Market Value	% of Portfolio	Average YTM @ Cost	Average YTM @ Market
U.S. Treasuries	\$8,050,835.11	99.0%	1.60%	2.44%
Federal Agencies	\$0.00	0.0%	0.00%	0.00%
Commercial Paper	\$0.00	0.0%	0.00%	0.00%
North Carolina STIF	\$0.00	0.0%	1.70%	1.70%
Money Market Account	\$79,873.69	1.0%	1.91%	1.91%
Totals	\$8,130,708.80) 100.0%		







Monroe Connector / Bypass



Monroe Project – Overview of Invested Funds

			PFN	/I Funds Liquidity	l	PFM Managed		
NCTA Acccount	NCTA Acccount STIF Account			Account		Portfolio	Total	
Monroe 2010 - Project Fund	\$	1,183.11					\$	1,183.11
Monroe 2010 - Capitalized Interest			\$	6,029,604.03			\$	6,029,604.03
Monroe 2010 - Debt Service Reserve	\$	4,328,116.20					\$	4,328,116.20
Monroe 2010 - Revenue Fund			\$	163,448.87			\$	163,448.87
Monroe 2011 - General Reserve			\$	4.52			\$	4.52
Monroe 2011 - Revenue			\$	0.44			\$	0.44
Monroe 2011 - Interest			\$	0.26			\$	0.26
Monroe 2016 - Senior Interest			\$	1,722,293.75	\$	7,011,962.37	\$	8,734,256.12
Monroe 2016 - Operating Reserve Fund			\$	1,175,719.67			\$	1,175,719.67
Monroe 2016 - Ramp-Up Reserve			\$	290,534.08	\$	25,199,522.95	\$	25,490,057.03
Monroe 2016 - Unpledged	\$	6,132,017.23	\$	169,440.83	\$	5,911,651.09	\$	12,213,109.15
Monroe 2016 - Senior Reserve Fund	\$	6,132,694.94	\$	171,978.07	\$	5,761,354.88	\$	12,066,027.89
Monroe 2016 - TIFA Reserve Fund	\$	6,132,017.23	\$	6,053,772.32			\$	12,185,789.55
Monroe 2016 - Project Fund	\$	12,674.41	\$	14,334.26			\$	27,008.67
Total	\$	22,738,703.12	\$	15,791,131.10	\$	43,884,491.29	\$	82,414,325.51



Monroe 2016 – Senior Interest (as of September 30, 2018)



Credit Quality



Portfolio Summary

Securitiy Type	Market Value	% of Portfolio	Average YTM @ Cost	Average YTM @ Market
U.S. Treasuries	\$2,934,302.28	33.6%	1.31%	2.51%
Federal Agencies	\$4,077,660.09	46.7%	1.30%	2.35%
Commercial Paper	\$0.00	0.0%	0.00%	0.00%
North Carolina STIF	\$0.00	0.0%	1.70%	1.70%
Money Market Account	\$1,722,293.75	19.7%	1.91%	1.91%
Totals	\$8,734,256.12	2 100.0%		



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Monroe 2016 – Ramp-Up Reserve (as of September 30, 2018)



Credit Quality



Securitiy Type	Market Value	% of Portfolio	Average YTM @ Cost	Average YTM @ Market
U.S. Treasuries	\$12,424,487.03	48.7%	1.19%	2.22%
Federal Agencies	\$0.00	0.0%	0.00%	0.00%
Commercial Paper	\$0.00	0.0%	0.00%	0.00%
North Carolina STIF	\$12,775,035.92	50.1%	1.70%	1.70%
Money Market Account	\$290,534.08	1.1%	1.91%	1.91%
Totals	\$25,490,057.03	3 100.0%		





Monroe 2016 – Unpledged (as of September 30, 2018)



Credit Quality



Securitiy Type	Market Value	% of Portfolio	Average YTM @ Cost	Average YTM @ Market
U.S. Treasuries	\$5,911,651.09	48.4%	1.19%	2.22%
Federal Agencies	\$0.00	0.0%	0.00%	0.00%
Commercial Paper	\$0.00	0.0%	0.00%	0.00%
North Carolina STIF	\$6,132,017.23	50.2%	1.70%	1.70%
Money Market Account	\$169,440.83	1.4%	1.91%	1.91%
Totals	\$12,213,109.15	5 100.0%		





Monroe 2016 – Senior Reserve Fund (as of September 30, 2018)



Credit Quality



Securitiy Type	Market Value	% of Portfolio	Average YTM @ Cost	Average YTM @ Market
U.S. Treasuries	\$5,761,354.88	47.7%	1.19%	2.22%
Federal Agencies	\$0.00	0.0%	0.00%	0.00%
Commercial Paper	\$0.00	0.0%	0.00%	0.00%
North Carolina STIF	\$6,132,694.94	50.8%	1.70%	1.70%
Money Market Account	\$171,978.07	1.4%	1.91%	1.91%
Totals	\$12,066,027.89	100.0%		





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Triangle Expressway 2019 Toll Rates

David Roy NCTA Director of Finance

Toll Rate Schedule

136-89.183 Powers of the Authority

Toll Rate Policy adopted September 17, 2008

Scheduled Average Toll Rate Increases									
Before 2017	5.0%								
2017 – 2021	3.5%								
2022 – 2036	3.0%								
After 2036	2.0% or less								

3.5% increase scheduled to take effect January 1, 2019

2019 Toll Rates

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		Begin Toll 147 - TOLL NC-147 at I-40	Exit 3/2 - Hopson Road / Davis Dr	Begin Toll 540 - TOLL NC-540 at NC-54	Exit 69 - Chapel Hill Rd/NC-54	<mark>Exit 66</mark> - NC-55	Exit 62 - Green Level West Rd	<mark>Exit 59</mark> - US-64	Exit 57 - Old US Hwy 1/S Salem St	Exit 56 - US-1	Exit 55 - Veridea Parkway	<mark>Exit 54</mark> - NC-55
	Begin Toll 147 - TOLL NC-147 at I-40		\$0.38	\$0.84	\$0.84	\$1.05	\$1.89	\$2.36	\$2.93	\$2.93	\$3.22	\$3.37
	Exit 3/2 - Hopson Road / Davis Dr	\$0.38		\$0.84	\$0.84	\$1.05	\$1.89	\$2.36	\$2.93	\$2.93	\$3.22	\$3.37
	Begin Toll 540 - TOLL NC-540 at NC-54	\$0.84	\$0.84			\$0.67	\$1.51	\$1.98	\$2.55	\$2.55	\$2.84	\$2.99
	Exit 69 - Chapel Hill Rd/NC-54	\$0.84	\$0.84			\$0.67	\$1.51	\$1.98	\$2.55	\$2.55	\$2.84	\$2.99
Σ	Exit 66 - NC-55	\$1.05	\$1.05	\$0.67	\$0.67		\$0.84	\$1.31	\$1.88	\$1.88	\$2.17	\$2.32
FROM	Exit 62 - Green Level West Rd	\$1.89	\$1.89	\$1.51	\$1.51	\$0.84		\$0.47	\$1.04	\$1.04	\$1.33	\$1.48
Ē	Exit 59 - US-64	\$2.36	\$2.36	\$1.98	\$1.98	\$1.31	\$0.47		\$1.04	\$1.04	\$1.33	\$1.48
	Exit 57 - Old US Hwy 1 / S. Salem St	\$2.93	\$2.93	\$2.55	\$2.55	\$1.88	\$1.04	\$1.04		\$0.26	\$0.55	\$0.70
	Exit 56 - US-1	\$2.93	\$2.93	\$2.55	\$2.55	\$1.88	\$1.04	\$1.04	\$0.26		\$0.29	\$0.44
	Exit 55 - Veridea Parkway	\$3.22	\$3.22	\$2.84	\$2.84	\$2.17	\$1.33	\$1.33	\$0.55	\$0.29		\$0.44
	Exit 54 - NC-55	\$3.37	\$3.37	\$2.99	\$2.99	\$2.32	\$1.48	\$1.48	\$0.70	\$0.44	\$0.44	

ncdot.gov/turnpike

2019 Finance Committee Meeting Dates

Robert Teer

Chair

2019 Meeting Dates

Finance Committee

January 16th March 20th April 17th June 19th July 17th September 18th October 16th December 18th

Full Board February 7th May 2nd August 8th November TBD

*All committee meetings at 10:30am

Thank you!