

\$138,250,000\*

Massachusetts Department of Transportation Metropolitan Highway System Revenue Refunding Bonds (Subordinated) Commonwealth Contract Assistance Secured 2018 Series A

**Board of Directors Meeting** 

David W. Pottier, Chief Financial Officer

March 19, 2018

\* Preliminary, subject to change.

# **Overview of Refunding & Swap Termination Transaction**

- Proposed financing structure: traditional fixed-rate current refunding and termination of associated UBS swaps
  - Issue fixed rate bonds: \$138,250,000<sup>1</sup> Revenue Refunding Bonds
    (Subordinated) Commonwealth Contract Assistance Secured, 2018 Series A
  - Refund variable rate bonds: \$137.855 million Subordinated Variable Rate
    Demand Obligations 2010 Series A-1 and A-7
  - Terminate \$137.855 million of notional amount of UBS swaps associated with 2010 Series A-1 and A-7 Subordinated bonds
  - Fixed rate refunding structured to produce level/uniform savings net present value savings = \$323k<sup>1</sup>



# **Existing Synthetic Fixed Rate Debt**





### Refunding + Swap Termination





# **Result: Traditional Fixed Rate Debt**





# **Transaction Highlights**

- Refunding bond maturities will not be extended
- \$8.361 million released from subordinated debt service reserve fund reduces the size of refunding bonds issued
- Refunding economics primarily impacted by:
  - Relationship between benchmark tax-exempt MMD rates and taxable LIBOR swap rates
  - Credit spreads on i) fixed rate refunding bonds and ii) variable rate refunded bonds
  - Swap termination discount provided by UBS
- Transaction meets Risk Management (§ 8) and Refunding (§ 14) guidelines of MassDOT's Debt Issuance and Management Policy<sup>2</sup>



<sup>2</sup> Policy dated February 10, 2016.



### **Transaction Benefits**

#### **Benefits**

- Substitute variable rate debt with fixed rate debt
- Lower interest costs
- Terminate swaps, eliminate \$34.5mm MTM
  - Termination payment funded out of tax-exempt refunding bond proceeds
- UBS Discount on Swap Termination

#### Eliminates VRDB associated risks

- No bank support required
- No bank covenants
- No renewal risk of SBPA or LOC agreements
- No annual liquidity or remarketing fees

#### Eliminates swap associated risks

- No basis risk: variable rates received on swap do not equal variable rates paid on bonds
- No tax risk : change in tax rules or other factors increases variable rate costs
- No forced termination risk upon a downgrade
- Reduces MTM exposure on swap portfolio

#### Creates additional credit capacity



### **Transaction Considerations**

#### **Considerations**

- Transaction is subject to market conditions
  - Moderate to neutral savings
  - Relationship between tax-exempt MMD rates and taxable LIBOR swap rates
  - Credit spreads
  - UBS Discount
  - Negative savings at time of sale possible based on market conditions

#### Forego potential positive basis

- Basis risk is the difference between floating rates received on swaps based on LIBOR and payments made on bonds based on tax-exempt rates
- Basis risk can be positive or negative
- Forego call flexibility of VRDBs



March 19, 2018

# **Outstanding VRDB Debt and Swaps - MHS**

Detailed Summary of Variable Rate Debt as of 3/1/2018								
	Indenture			Avg	Bond	Ratings		
Series	& Lien	CUSIP	Mode	Coup	Maturity	M/S/F	Amount Issued	Outstanding
Metropolitan Highway System (Senior)								
2010 Series A-1	MHS SR	57563CBF8	VRDB LOC	VR	1/1/37	VMIG1/A-1/F1	\$ 100,000,000	\$ 100,000,000
2010 Series A-2	MHS SR	57563CCZ3	VRDB LOC	VR	1/1/37	VMIG1/A-1/F1	\$ 107,665,000	\$ 107,665,000
Metropolitan Highw	vay System (S	ubordinated)						
<b>2010</b> Series A-1 <sup>1</sup>	MHS SUB	57563CAA0	VRDB SBPA	VR	1/1/29	VMIG1/A-1+/F1+	43,625,000	43,625,000
2010 Series A-2	MHS SUB	57563CAB8	VRDB LOC	VR	1/1/37	VMIG1/A-1/F1+	83,100,000	83,100,000
2010 Series A-3	MHS SUB	57563CAC6	VRDB LOC	VR	1/1/39	VMIG1/A-1/F1+	92,845,000	92,845,000
2010 Series A-4	MHS SUB	57563CAD4	LIBOR FRN	VR	1/1/39	N/A	92,845,000	92,845,000
2010 Series A-5	MHS SUB	57563CAE2	LIBOR FRN	VR	1/1/39	N/A	92,845,000	92,845,000
2010 Series A-6	MHS SUB	57563CAF9	VRDB SLOC	VR	1/1/39	VMIG1/A-1/F1+	92,845,000	92,845,000
2010 Series A-7 <sup>1</sup>	MHS SUB	57563CAG7	VRDB SBPA	VR	1/1/29	VMIG1/A-1+/F1+	94,230,000	94,230,000
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Total

\$ 800,000,000 \$ 800,000,000

	Outstanding Swaps as of 3/1/2018									
			Initial	Outstanding	Effective	Maturity				
# Counterparty	Рау	Receive	Notional	Notional	Date	Date	Hedged Bonds	Full MTM		
1 UBS AG	4.750%	68% of 1M LIBOR	207,665,000	207,665,000	07/01/08	01/01/37	2010 Senior A-1 & A-2	-83,410,000		
2 UBS AG	4.875%	68% of 1M LIBOR	83,100,000	83,100,000	01/01/08	01/01/37	2010 Sub. A-2	-31,015,000		
3 UBS AG	5.000%	68% of 1M LIBOR	43,625,000	43,625,000	01/01/08	01/01/29	2010 Sub. A-1 <sup>1</sup>	-10,570,000		
4 UBS AG	4.750%	68% of 1M LIBOR	371,380,000	371,380,000	01/01/09	01/01/39	2010 Sub. A-3, A-4, A-5 & A-6	-159,065,000		
5 UBS AG	5.000%	68% of 1M LIBOR	94,230,000	94,230,000	01/01/09	01/01/29	2010 Sub. A-7 <sup>1</sup>	-23,960,000		
6 JPM Chase	SIFMA	67% of 3M LIBOR	100,000,000	100,000,000	10/01/02	07/01/29	N/A	-3,250,000		
Total			900,000,000	900,000,000				-311,270,000		

<sup>1</sup> Represents \$137.855 million notional amount or 17% of UBS swap portfolio. MTM on the highlighted A-1 and A-7 swaps = \$34.53 million as of 3/5/2018 and does not reflect any discount offered by the swap counterparty. 9



# **Disclosure Requirements**

- The 2018 A Refunding Bonds are being issued as Subordinated Bonds under the Trust Agreement
- Contract Assistance Payments received under the 2009 Contract constitute "Dedicated Payments" under the Trust Agreement and are deposited directly to the Subordinated Debt Service Fund
  - On June 30, 2009, the Turnpike Authority and the Commonwealth entered into a Contract for Financial Assistance (the "2009 Contract") that obligates the Commonwealth to pay MassDOT \$100 million per fiscal year
  - The obligation of the Commonwealth to make such payments to MassDOT constitutes a general obligation of the Commonwealth for which the full faith and credit of the Commonwealth are pledged
- The 2009 Contract Assistance Payments cover 100% of the debt service on all outstanding Subordinated Obligations, including the 2018 A Refunding Bonds
- Since the repayment source is solely from the 2009 Contract Assistance Payments, not revenues of MassDOT:
  - Ratings on the 2018A Refunding Bonds are based on the Commonwealth's General Obligation credit
  - The Commonwealth's most current Information Statement is incorporated by reference into the POS
  - The POS informs prospective purchasers that no financial or operating information about MassDOT is included in the POS because the Dedicated Payments pledged as security for the 2018 A Refunding Bonds are anticipated to exceed the total amount of debt service on Subordinated Obligations, including the 2018 A Refunding Bonds, in each year that the 2018 A Refunding Bonds are outstanding



**Board of Directors Meeting** 

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# Steps Taken to Date

- Senior underwriters selected via RFP process
- Negotiations with UBS on swap termination / novation
- Draft documents prepared by bond counsel and disclosure counsel for the refunding bonds
  - Preliminary Official Statement for Subordinated lien bonds scheduled for distribution following Board approval (April 20<sup>th</sup>)
  - Commonwealth disclosure updated (appendix in POS)
  - Eleventh Supplemental Metropolitan Highway System Trust Agreement by and between MassDOT and The Bank of New York Mellon, as trustee
  - Rating meetings scheduled: Moody's / S&P / Fitch (April 11<sup>th</sup>)



#### **Transaction Schedule**

- Sept. 14, 2017 Underwriter RFP Issued
- Feb. 8, 2018 F&A Committee Briefing
- Mar. 19 MassDOT Board Meeting, Seek Transaction Approval
- Apr. 11 Ratings Agency Meetings
- Apr. 19 Presentation and Vote by State Finance and Governance Board
- Apr. 20 Mail POS
- Apr. 23 F&A and MassDOT Board Meeting, Update
- Apr. 30 / May 1 Retail / Institutional Pricing
- May 17 Closing



# Summary of Refunding - Subordinated Bonds<sup>1</sup>

Description	Subordinated Bonds
Dated Date	5/10/2018
Delivery Date	5/10/2018
Arbitrage yield	5.484196%
Bond Par Amount	138,250,000
True Interest Cost	2.672865%
Net Interest Cost	2.940615%
Average Coupon	5.00000%
Average Life	8.635
Par amount of refunded bonds	137,855,000
Average coupon of refunded bonds	5.750000%
Average life of refunded bonds	8.675
PV of prior debt to 04/25/2018 @ 5.502711%	142,841,546
Net PV Savings	323,581
Percentage savings of refunded bonds	0.234726%
Sub Series A1 Swap Termination	10,570,000
Sub Series A7 Swap Termination	23,960,000
Total Swap Termination	34,530,000



<sup>1</sup> Based on March 5, 2018 rates, subject to change.

# **Outstanding Debt - Metropolitan Highway System**

Outstanding Debt as of 3/1/2018								
	Indenture	Base		Avg	Final	Ratings		
Series	& Lien	CUSIP	Туре	Coup	Maturity	M/S/F	Amount Issued	Outstanding
Metropolitan Highwa	ay System (Se	nior)						
1997 Series A CABs	MHS SR	576018	Fixed	5.62%	1/1/29	A3/A+/A+	\$ 42,006,617	\$ 42,006,617
1997 Series C CABs	MHS SR	576018	Fixed	5.49%	1/1/23	A3/A+/A+	89,136,006	51,286,175
2010 Series A	MHS SR	57563C	Variable	VR	1/1/37	See Below	207,665,000	207,665,000
2010 Series B	MHS SR	57563C	Fixed	4.98%	1/1/37	A3/A+/A+	882,310,000	632,060,000
Subtotal							\$1,221,117,623	\$ 933,017,792
Metropolitan Highwa	ay System (Su	bordinated)						
2010 Series A	MHS SUB	57563C	Variable	VR	1/1/39	See Below	592,335,000	592,335,000
2010 Series B	MHS SUB	57563C	Fixed	4.98%	1/1/35	Aa2/AA/AA+	261,220,000	261,220,000
Subtotal							\$ 853,555,000	\$ 853,555,000
Total							\$2,074,672,623	\$1,786,572,792

Board of Directors Meeting

