

#### External Parties

##### **Seller**

Morgan Stanley

##### **Servicer(s)**

PHH Mortgage Corporation

##### **Underwriter(s)**

Morgan Stanley & Co. Inc

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#### Dates

Cut-Off Date: May 01, 2003  
 Close Date: May 29, 2003  
 First Distribution Date: June 25, 2003

Distribution Date: July 25, 2019  
 Next Distribution Date: August 26, 2019  
 Distribution Frequency: Monthly  
 Record Date: July 24, 2019

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(\*\*) Please see informational notice posted to the Trustee's investor reporting website regarding recent allegations pertaining to certain loan servicer foreclosure practices.

## Mortgage Pass-Through Certificates

July 25, 2019 Distribution

## Certificate Payment Report

Current Period Distribution -									
Class	Class Type	Original Face Value	Prior Principal Balance	Interest	Principal	Total Distribution	Realized Loss	Deferred Interest	Current Principal Balance
			(1)	(2)	(3)	(4)=(2)+(3)	(5)	(6)	(7)=(1)-(3)-(5)+(6)
A-1	SER	502,341,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A-2	SER	100,000,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A-3	SER	211,716,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M-1	MEZ	63,818,000.00	6,405,740.31	19,640.96	93,466.97	113,107.93	0.00	0.00	6,312,273.34
M-2	MEZ	55,276,000.00	60,230.77	271.26	0.00	271.26	0.00	0.00	60,230.77
M-3	MEZ	17,588,000.00	620,728.76	3,028.32	0.00	3,028.32	0.00	0.00	620,728.76
B-1	SUB	13,065,000.00	1,837,226.23	11,259.72	0.00	11,259.72	0.00	0.00	1,837,226.23
B-2	SUB	11,055,000.00	894,200.66	5,529.54	0.00	5,529.54	0.00	0.00	894,200.66
B-3	SUB	12,563,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X	SUB/EXE	17,586,872.00	1,354,818.31	0.00	0.00	0.00	0.00	17,658.00	1,372,476.31
P	EXE/P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UT-R	RES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1,005,008,872.00	11,172,945.04	39,729.80	93,466.97	133,196.77	0.00	17,658.00	11,097,136.07

Interest Accrual Detail									
Current Period Factor Information per \$1,000 of Original Face Value									
Class	Period Starting	Period Ending	Method	Cusip	Orig. Principal (with Notional) Balance	Prior Principal Balance	Interest	Principal	Current Principal Balance
					(1)	(1)	(2)	(3)	(5)
A-1	06/25/19	07/24/19	A-Act/360	61746RAS0	502,341,000.00	0.000000	0.000000	0.000000	0.000000
A-2	06/25/19	07/24/19	A-Act/360	61746RBB6	100,000,000.00	0.000000	0.000000	0.000000	0.000000
A-3	06/25/19	07/24/19	A-Act/360	61746RBJ9	211,716,000.00	0.000000	0.000000	0.000000	0.000000
M-1	06/25/19	07/24/19	A-Act/360	61746RBC4	63,818,000.00	100.375134	0.307765	1.464586	98.910548
M-2	06/25/19	07/24/19	A-Act/360	61746RBD2	55,276,000.00	1.089637	0.004907	0.000000	1.089637
M-3	06/25/19	07/24/19	A-Act/360	61746RBE0	17,588,000.00	35.292743	0.172181	0.000000	35.292743
B-1	06/25/19	07/24/19	A-Act/360	61746RBF7	13,065,000.00	140.621985	0.861823	0.000000	140.621985
B-2	06/25/19	07/24/19	A-Act/360	61746RBG5	11,055,000.00	80.886536	0.500185	0.000000	80.886536
B-3	06/25/19	07/24/19	A-Act/360	61746RBH3	12,563,000.00	0.000000	0.000000	0.000000	0.000000
X	06/25/19	07/24/19	A-30/360		17,586,872.00	77.035775	0.000000	0.000000	78.039819
P					0.00	0.000000	0.000000	0.000000	0.000000
UT-R					0.00	0.000000	0.000000	0.000000	0.000000

## Distribution to Date - REMIC II

Class	Original Face Value	Interest	Unscheduled Principal	Scheduled Principal	Total Principal	Total Distribution	Realized Loss	Deferred Interest	Current Principal Balance
	(1)	(2)	(3)	(4)	(5)=(3)+(4)	(6)=(2)+(5)	(7)	(8)	(9)=(1)-(5)-(7)+(8)
A-1	502,341,000.00	12,295,455.66	492,997,733.38	9,343,266.62	502,341,000.00	514,636,455.66	0.00	0.00	0.00
A-2	100,000,000.00	2,271,581.61	98,123,806.95	1,876,193.05	100,000,000.00	102,271,581.61	0.00	0.00	0.00
A-3	211,716,000.00	5,006,314.98	207,743,799.12	3,972,200.88	211,716,000.00	216,722,314.98	0.00	0.00	0.00
M-1	63,818,000.00	18,491,248.99	49,638,702.08	8,792,634.85	57,505,726.66	75,996,975.65	0.00	0.00	6,312,273.34
M-2	55,276,000.00	12,260,372.67	51,931,807.45	3,283,961.77	55,215,769.22	67,476,141.89	0.00	0.00	60,230.77
M-3	17,588,000.00	3,773,506.25	16,048,111.28	919,159.97	16,967,271.29	20,740,777.54	0.00	0.00	620,728.76
B-1	13,065,000.00	3,878,781.52	10,982,282.46	245,491.30	11,227,773.77	15,106,555.29	0.00	0.00	1,837,226.23
B-2	11,055,000.00	3,268,052.55	8,883,962.35	169,776.05	9,053,738.40	12,321,790.95	1,107,060.94	0.00	894,200.66
B-3	12,563,000.00	2,879,538.55	10,128,396.57	259,913.61	10,388,310.18	13,267,848.73	2,174,689.81	0.00	0.00
X	17,586,872.00	69,126,732.27	9,286,962.58	-1,269,797.03	12,291,274.63	81,418,006.90	9,575,446.32	5,652,325.16	1,372,476.31
P	0.00	11,186,258.24	0.00	0.00	0.00	11,186,258.24	0.00	0.00	0.00
UT-R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1,005,008,872.00	144,437,843.29	955,765,564.22	27,592,801.07	986,706,864.15	1,131,144,707.44	12,857,197.07	5,652,325.16	11,097,136.07

## Interest Detail - REMIC II

Class	Pass Through Rate	Prior Principal (with Notional) Balance	Accrued Interest	Non- Supported Interest SF	Prior Unpaid Interest	Unscheduled Interest Adjustment	Optimal Interest	Paid or Deferred Interest	Current Unpaid Interest
			(1)	(2)	(3)	(4)	(5)=(1)-(2)+(3)+(4)	(6)	(7)=(5)-(6)
A-1	0.00000%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A-2	0.00000%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A-3	0.00000%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M-1	3.67938%	6,405,740.31	19,640.96	0.00	0.00	0.00	19,640.96	19,640.96	0.00
M-2	5.40438%	60,230.77	271.26	0.00	0.00	0.00	271.26	271.26	0.00
M-3	5.85438%	620,728.76	3,028.32	0.00	0.00	0.00	3,028.32	3,028.32	0.00
B-1	7.35438%	1,837,226.23	11,259.72	0.00	0.00	0.00	11,259.72	11,259.72	0.00
B-2	7.42054%	894,200.66	5,529.54	0.00	0.00	0.00	5,529.54	5,529.54	0.00
B-3	7.42054%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X	0.00000%	1,354,818.31	0.00	0.00	0.00	0.00	0.00	17,658.00	0.00
P	0.00000%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UT-R	0.00000%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		11,172,945.04	39,729.80	0.00	0.00	0.00	39,729.80	57,387.80	0.00

## Collection Account Report

## SUMMARY

	Group 2	Group 1	Total
Principal Collections	52,709.43	23,099.54	75,808.97
Principal Withdrawals	0.00	0.00	0.00
Principal Other Accounts	0.00	0.00	0.00
TOTAL NET PRINCIPAL	52,709.43	23,099.54	75,808.97
Interest Collections	30,387.58	34,768.05	65,155.62
Interest Withdrawals	2,958.67	1,480.56	4,439.23
Interest Other Accounts	0.00	0.00	0.00
Interest Fees	1,708.86	1,619.74	3,328.60
TOTAL NET INTEREST	25,720.05	31,667.75	57,387.79
TOTAL AVAILABLE FUNDS FOR DISTRIBUTION	78,429.48	54,767.29	133,196.76

## PRINCIPAL - COLLECTIONS

	Group 2	Group 1	Total
Scheduled Principal Received	19,598.61	17,578.20	37,176.81
Prepayments In Full	28,279.74	0.00	28,279.74
Curtailments	4,831.08	5,521.34	10,352.42
Liquidations	0.00	0.00	0.00
Insurance Principal	0.00	0.00	0.00
Repurchased Principal Amounts	0.00	0.00	0.00
Other Principal	0.00	0.00	0.00
Total Realized Loss Of Principal	0.00	0.00	0.00
Delinquent Principal	(3,290.95)	(2,536.23)	(5,827.18)
Advanced Principal	3,290.95	2,536.23	5,827.18
TOTAL PRINCIPAL COLLECTED	52,709.43	23,099.54	75,808.97

## PRINCIPAL - WITHDRAWALS

	Group 2	Group 1	Total
Modification Loss allocated to Principal	0.00	0.00	0.00

## PRINCIPAL - OTHER ACCOUNTS

	Group 2	Group 1	Total
Closing Deposit	0.00	0.00	0.00
Bonus Incentive Amount	0.00	0.00	0.00
Total Principal Other Accounts	0.00	0.00	0.00

## INTEREST - COLLECTIONS

	Group 2	Group 1	Total
Scheduled Interest	35,943.97	39,881.62	75,825.59
Liquidation Interest	0.00	0.00	0.00
Repurchased Interest	0.00	0.00	0.00
Insurance Interest	0.00	0.00	0.00
Other Interest	0.00	0.00	0.00
Relief Act Interest Shortfalls	0.00	0.00	0.00
Prepayment Interest Shortfalls	0.00	0.00	0.00
Compensating Interest	0.00	0.00	0.00
Delinquent Interest	(12,227.69)	(12,831.32)	(25,059.01)
Interest Advanced	6,671.30	7,717.75	14,389.05
Interest Loss	0.00	0.00	0.00
TOTAL INTEREST COLLECTED	30,387.58	34,768.05	65,155.62

## INTEREST - WITHDRAWALS

	Group 2	Group 1	Total
Nonrecoverable Advances	2,958.67	1,480.56	4,439.23
Modification Loss	0.00	0.00	0.00
Capitalized/Deferred Amount	0.00	0.00	0.00
TOTAL INTEREST WITHDRAWALS	(2,958.67)	(1,480.56)	(4,439.23)

## INTEREST - OTHER ACCOUNTS

	Group 2	Group 1	Total
Prepayment Charges			0.00
Class B Cap Receipts			0.00
Bonus Incentive Amount	0.00	0.00	0.00
TOTAL INTEREST OTHER ACCOUNTS	0.00	0.00	0.00

## INTEREST FEES

	Group 2	Group 1	Total
Current Servicing Fees	1,464.81	1,376.10	2,840.91
Current Trustee Fees	20.97	20.93	41.90
Legal Fees	0.00	0.00	0.00
Extraordinary Expenses	0.00	0.00	0.00
Extraordinary Expense Recovery Charge**	223.08	222.71	445.79
TOTAL INTEREST OTHER FEES	1,708.86	1,619.74	3,328.60

\*\*Extraordinary Expense Recovery Charge ("EERC"): charge imposed to recover extraordinary costs and expenses incurred by Deutsche Bank in administering residential mortgage backed securities ("RMBS") transaction(s) under current market conditions. The EERC is based upon, and may be adjusted periodically in accordance with, Deutsche Bank's experienced level of extraordinary costs and expenses that are not allocable to specific trusts, but which arise from the administration of the portfolio of RMBS trusts administered by Deutsche Bank's Trust & Securities Services division. Costs and expenses allocable to specific trusts will continue to be charged separately to those trusts in addition to the EERC.

#### Credit Enhancement Report

ACCOUNTS	
<b>Net WAC Rate Carryover Reserve Account</b>	
Beginning Balance	0.00
Ending Balance	0.00

INSURANCE
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STRUCTURAL FEATURES			
	Group 2	Group 1	Total
Beginning Overcollateralization			1,354,818.31
Overcollateralized Amount- After Current Losses			1,354,818.31
Ending Overcollateralization			1,372,476.31
Excess Cashflow			17,658.00
Overcollateralization Excess			0.00
Overcollateralization Deficit			3,670,257.28
Extra Principal Distribution Amount			17,658.00
Overcollateralization Release Amount			0.00
Overcollateralization Target Amount			5,025,075.59

## Collateral Report

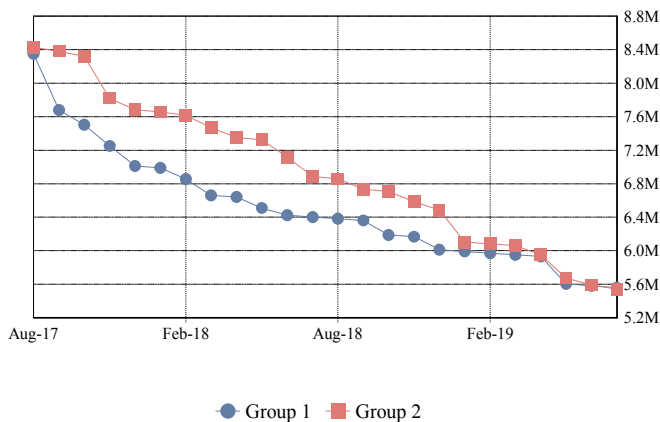
## COLLATERAL

	Group 2	Group 1	Total
<b><u>Loan Count:</u></b>			
Original	2,121	4,056	6,177
Prior	80	68	148
Prefunding	0	0	0
Scheduled Paid Offs	0	0	0
Full Voluntary Prepayments	(1)	0	(1)
Repurchases	0	0	0
Liquidations	0	0	0
Current	79	68	147
<b><u>Principal Balance:</u></b>			
Original	384,837,481.08	620,177,636.72	1,005,015,117.80
Prior	5,591,185.31	5,581,759.73	11,172,945.04
Prefunding	0.00	0.00	0.00
Deferred Interest	0.00	0.00	0.00
Scheduled Principal	(19,598.61)	(17,578.20)	(37,176.81)
Partial Prepayments	(4,831.08)	(5,521.34)	(10,352.42)
Full Voluntary Prepayments	(28,279.74)	0.00	(28,279.74)
Repurchases	0.00	0.00	0.00
Liquidations	0.00	0.00	0.00
Current	5,538,475.88	5,558,660.19	11,097,136.07
Prior Forebearance	0.00	0.00	0.00
Current Forebearance	0.00	0.00	0.00

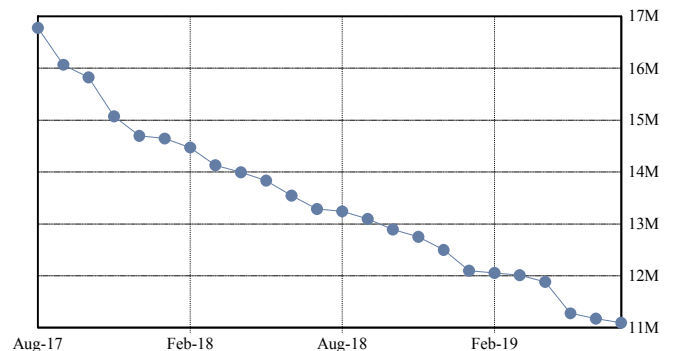
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Current Principal Balance by Groups



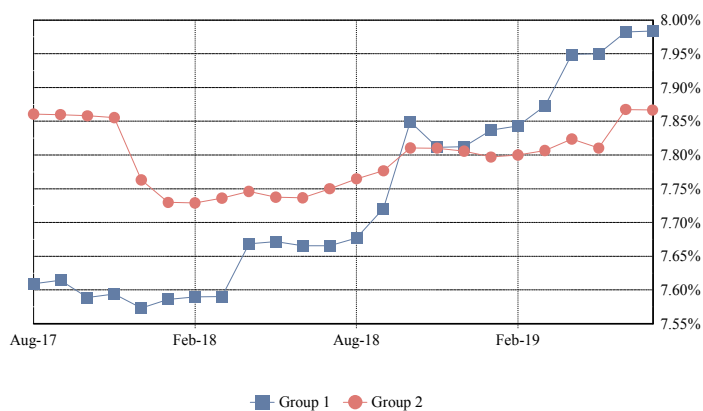
Total Current Principal Balance



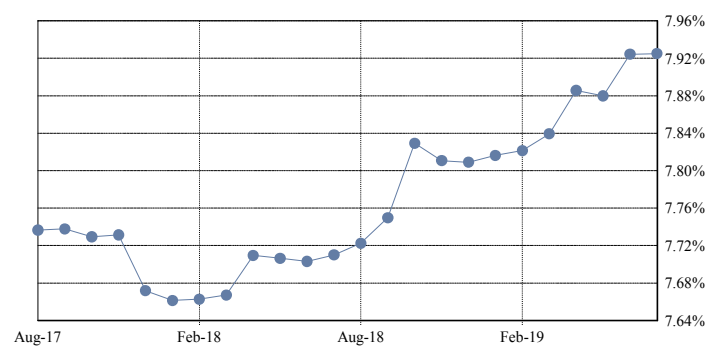
#### CHARACTERISTICS

	Group 2	Group 1	Total
Weighted Average Coupon Original	7.70442%	7.55436%	7.61182%
Weighted Average Coupon Prior	7.86741%	7.98212%	7.92440%
Weighted Average Coupon Current	7.86659%	7.98358%	7.92504%
Weighted Average Months to Maturity Original	348	354	352
Weighted Average Months to Maturity Prior	153	158	155
Weighted Average Months to Maturity Current	153	157	155
Weighted Avg Remaining Amortization Term Original	347	354	351
Weighted Avg Remaining Amortization Term Prior	153	158	155
Weighted Avg Remaining Amortization Term Current	153	157	155
Weighted Average Seasoning Original	3.41	3.31	3.35
Weighted Average Seasoning Prior	195.68	195.40	195.54
Weighted Average Seasoning Current	196.69	196.40	196.54

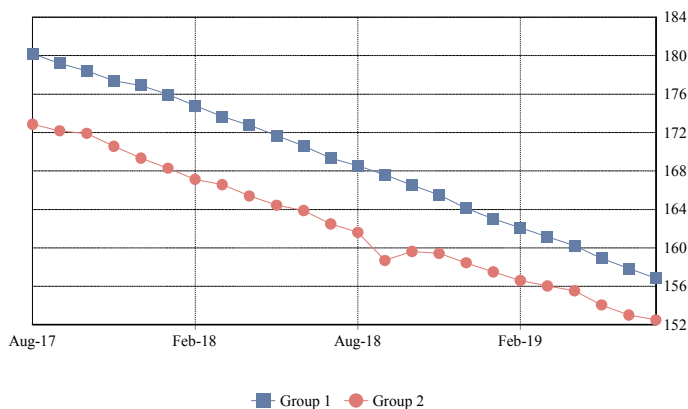
Weighted Average Coupon by Groups



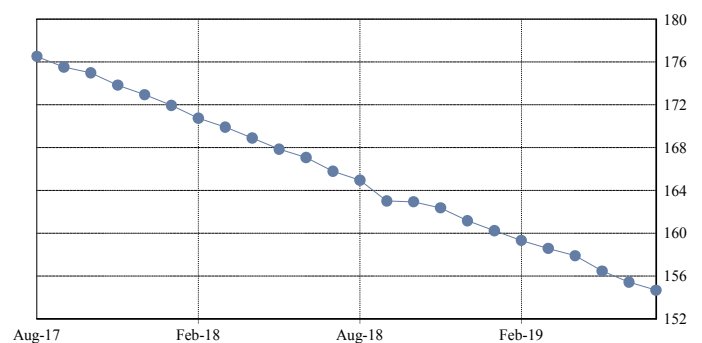
Total Weighted Average Coupon



Weighted Average Amortization Term by Groups



Total Weighted Average Amortization Term





## ARM CHARACTERISTICS

	Group 2	Group 1	Total
Weighted Average Margin Original	6.17807%	6.28853%	6.25688%
Weighted Average Margin Prior	5.99218%	6.15571%	6.12506%
Weighted Average Margin Current	5.99234%	6.15634%	6.12561%
Weighted Average Max Rate Original	14.35299%	14.64579%	14.56190%
Weighted Average Max Rate Prior	14.68435%	14.79152%	14.77143%
Weighted Average Max Rate Current	14.68458%	14.79253%	14.77230%
Weighted Average Min Rate Original	7.35053%	7.64880%	7.56333%
Weighted Average Min Rate Prior	7.68435%	7.78439%	7.76564%
Weighted Average Min Rate Current	7.68458%	7.78544%	7.76654%
Weighted Average Cap Up Original	1.54885%	1.51190%	1.52249%
Weighted Average Cap Up Prior	1.50000%	1.57631%	1.56200%
Weighted Average Cap Up Current	1.50000%	1.57596%	1.56173%
Weighted Average Cap Down Original	1.54885%	1.51190%	1.52249%
Weighted Average Cap Down Prior	1.50000%	1.57631%	1.56200%
Weighted Average Cap Down Current	1.50000%	1.57596%	1.56173%

## SERVICING FEES &amp; ADVANCES

	Group 2	Group 1	Total
Current Servicing Fees	1,464.81	1,376.10	2,840.91
Delinquent Servicing Fees	437.96	493.41	931.37
TOTAL SERVICING FEES	2,011.61	2,066.39	4,078.00
Compensating Interest	0.00	0.00	0.00
Delinquent Servicing Fees	(437.96)	(493.41)	(931.37)
COLLECTED SERVICING FEES	1,464.81	1,376.10	2,840.91
Aggregate Advances with respect to this Distribution	5,455.90	4,798.08	10,253.98

## ADDITIONAL COLLATERAL INFORMATION

	Group 2	Group 1	Total
Net Prepayment Interest Shortfall	0.00	0.00	0.00
Libor For Current Period			2.4044%
Libor For Next Period			2.2660%

## Mortgage Pass-Through Certificates

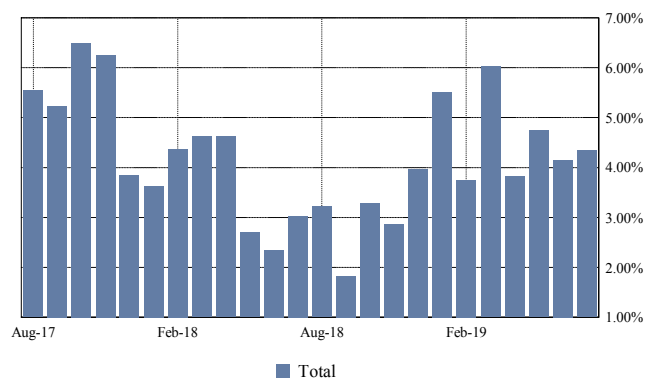
July 25, 2019 Distribution

## Delinquency Report

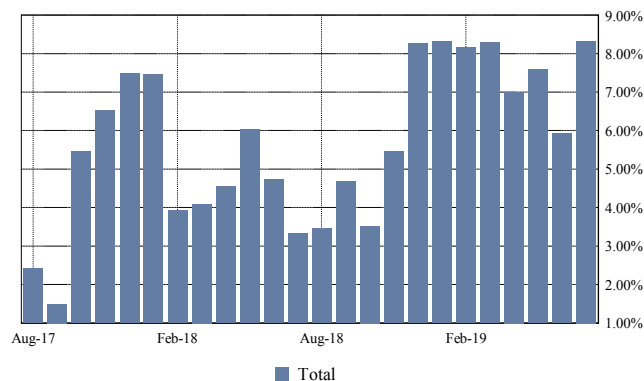
TOTAL		< 1 PMT	1 PMT	2 PMTS	3+ PMTS	TOTAL
DELINQUENT	Balance		392,197.31	88,815.16	924,436.40	1,405,448.87
	% Balance		3.53%	0.80%	8.33%	12.66%
	# Loans		9	2	6	17
	% # Loans		6.12%	1.36%	4.08%	11.56%
FORECLOSURE	Balance	0.00	0.00	0.00	423,674.83	423,674.83
	% Balance	0.00%	0.00%	0.00%	3.82%	3.82%
	# Loans	0	0	0	4	4
	% # Loans	0.00%	0.00%	0.00%	2.72%	2.72%
BANKRUPTCY	Balance	267,388.42	55,039.74	0.00	122,635.32	445,063.48
	% Balance	2.41%	0.50%	0.00%	1.11%	4.01%
	# Loans	2	1	0	2	5
	% # Loans	1.36%	0.68%	0.00%	1.36%	3.40%
REO	Balance	0.00	0.00	0.00	0.00	0.00
	% Balance	0.00%	0.00%	0.00%	0.00%	0.00%
	# Loans	0	0	0	0	0
	% # Loans	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	Balance	267,388.42	447,237.05	88,815.16	1,470,746.55	2,274,187.18
	% Balance	2.41%	4.03%	0.80%	13.25%	20.49%
	# Loans	2	10	2	12	26
	% # Loans	1.36%	6.80%	1.36%	8.16%	17.69%

Utilized OTS Delinquency Methodology for Calculating Delinquency Buckets and Amounts

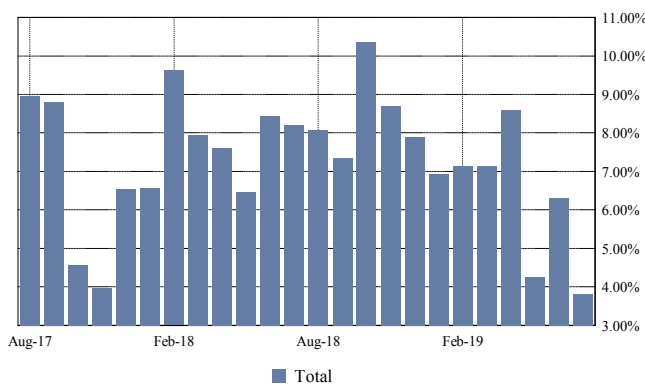
1 or 2 Payments Delinquent



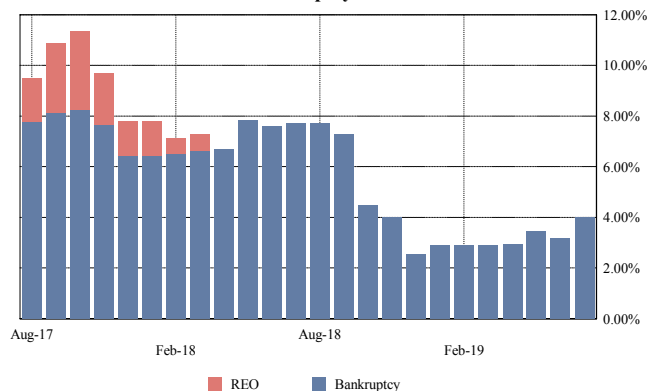
3 or More Payments Delinquent



Total Foreclosure



Total Bankruptcy and REO



## Mortgage Pass-Through Certificates

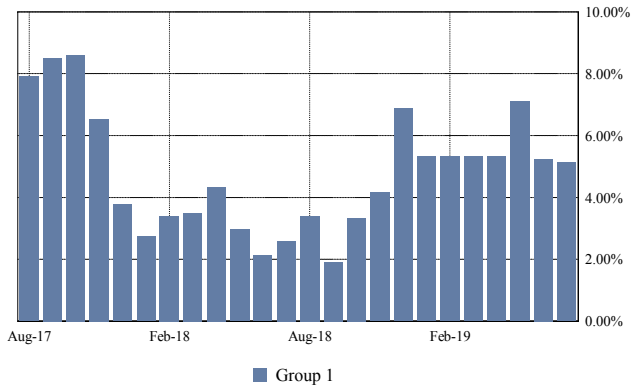
July 25, 2019 Distribution

## GROUP 1

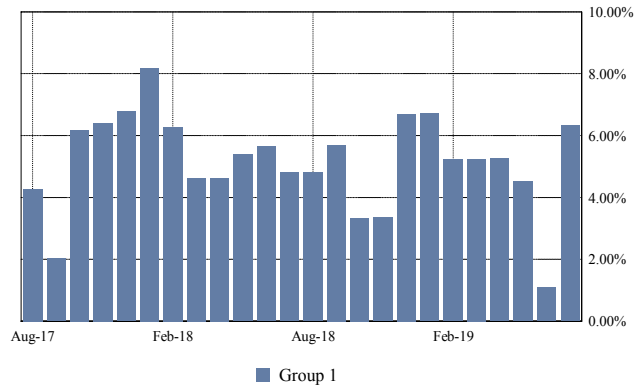
		< 1 PMT	1 PMT	2 PMTS	3+ PMTS	TOTAL
DELINQUENT	Balance		233,182.08	52,212.55	351,649.72	637,044.35
	% Balance		4.19%	0.94%	6.33%	11.46%
	# Loans		5	1	3	9
	% # Loans		7.35%	1.47%	4.41%	13.24%
FORECLOSURE	Balance	0.00	0.00	0.00	258,442.48	258,442.48
	% Balance	0.00%	0.00%	0.00%	4.65%	4.65%
	# Loans	0	0	0	1	1
	% # Loans	0.00%	0.00%	0.00%	1.47%	1.47%
BANKRUPTCY	Balance	223,101.39	0.00	0.00	122,635.32	345,736.71
	% Balance	4.01%	0.00%	0.00%	2.21%	6.22%
	# Loans	1	0	0	2	3
	% # Loans	1.47%	0.00%	0.00%	2.94%	4.41%
REO	Balance	0.00	0.00	0.00	0.00	0.00
	% Balance	0.00%	0.00%	0.00%	0.00%	0.00%
	# Loans	0	0	0	0	0
	% # Loans	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	Balance	223,101.39	233,182.08	52,212.55	732,727.52	1,241,223.54
	% Balance	4.01%	4.19%	0.94%	13.18%	22.33%
	# Loans	1	5	1	6	13
	% # Loans	1.47%	7.35%	1.47%	8.82%	19.12%

Utilized OTS Delinquency Methodology for Calculating Delinquency Buckets and Amounts

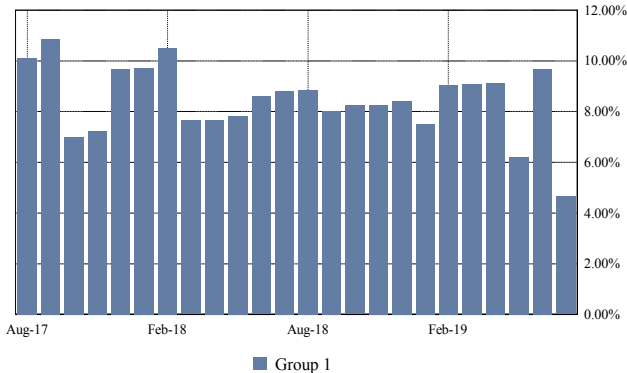
1 or 2 Payments Delinquent



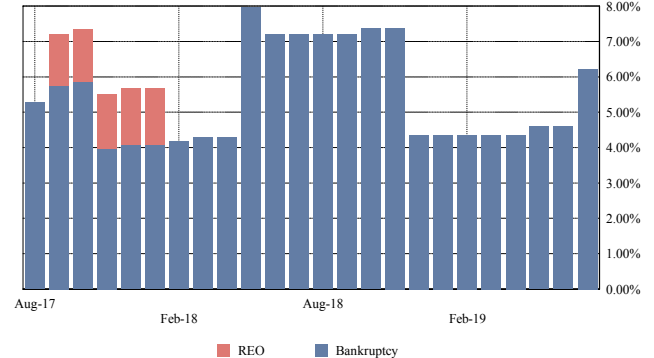
3 or More Payments Delinquent



Total Foreclosure



Total Bankruptcy and REO



## Mortgage Pass-Through Certificates

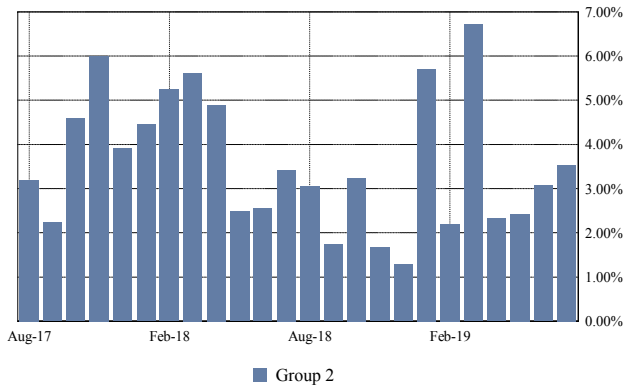
## July 25, 2019 Distribution

## GROUP 2

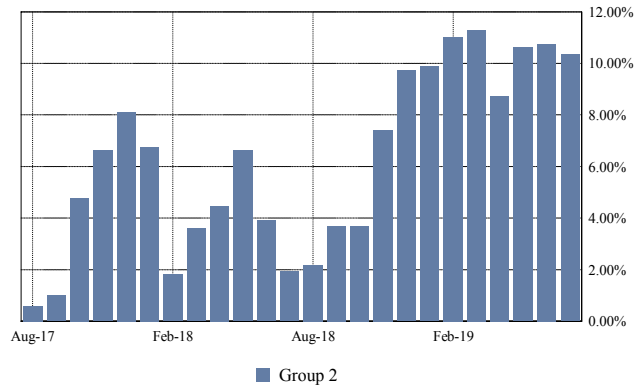
		< 1 PMT	1 PMT	2 PMTS	3+ PMTS	TOTAL
DELINQUENT	Balance		159,015.23	36,602.61	572,786.68	768,404.52
	% Balance		2.87%	0.66%	10.34%	13.87%
	# Loans		4	1	3	8
	% # Loans		5.06%	1.27%	3.80%	10.13%
FORECLOSURE	Balance	0.00	0.00	0.00	165,232.35	165,232.35
	% Balance	0.00%	0.00%	0.00%	2.98%	2.98%
	# Loans	0	0	0	3	3
	% # Loans	0.00%	0.00%	0.00%	3.80%	3.80%
BANKRUPTCY	Balance	44,287.03	55,039.74	0.00	0.00	99,326.77
	% Balance	0.80%	0.99%	0.00%	0.00%	1.79%
	# Loans	1	1	0	0	2
	% # Loans	1.27%	1.27%	0.00%	0.00%	2.53%
REO	Balance	0.00	0.00	0.00	0.00	0.00
	% Balance	0.00%	0.00%	0.00%	0.00%	0.00%
	# Loans	0	0	0	0	0
	% # Loans	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL	Balance	44,287.03	214,054.97	36,602.61	738,019.03	1,032,963.64
	% Balance	0.80%	3.86%	0.66%	13.33%	18.65%
	# Loans	1	5	1	6	13
	% # Loans	1.27%	6.33%	1.27%	7.59%	16.46%

Utilized OTS Delinquency Methodology for Calculating Delinquency Buckets and Amounts

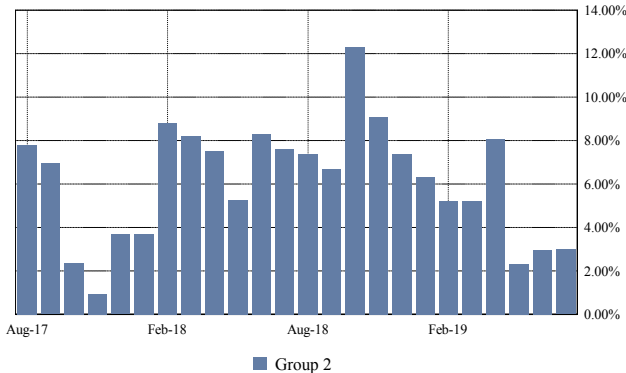
1 or 2 Payments Delinquent



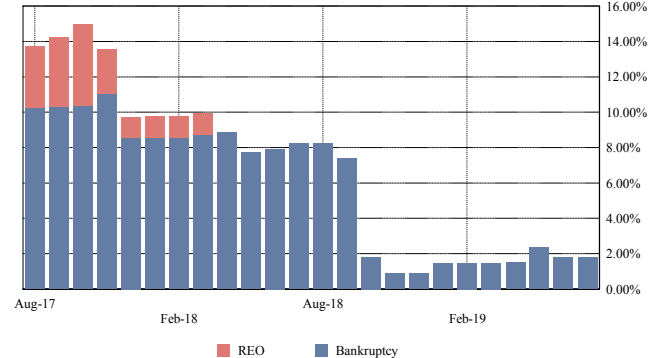
3 or More Payments Delinquent



Total Foreclosure



Total Bankruptcy and REO



REO Report

Loan Number & Loan Group	Original Principal Balance	Stated Principal Balance	Paid to Date	Current Note Rate	State & LTV at Origination	Original Term	First Payment Date

Loan Number & Loan Group	Original Principal Balance	Stated Principal Balance	Paid to  Date	Current Note Rate	State & LTV at Origination	Original Term	First Payment Date
Became Foreclosure Property in a Prior Period:							
707051496 2	89,250.00	67,878.62	01-Dec-2017	8.750%	FL - 85.00%	360	01-Feb-2003
707052551 2	43,350.00	32,826.12	01-Jun-2018	8.250%	PA - 85.00%	360	01-Mar-2003
707055380 1	280,000.00	258,442.48	01-Nov-2009	8.000%	NY - 72.73%	360	01-Apr-2003
707055695 2	68,000.00	64,527.61	01-Dec-2003	8.990%	FL - 85.00%	360	01-Apr-2003
TOTAL	480,600.00	423,674.83					

# Bankruptcy Report

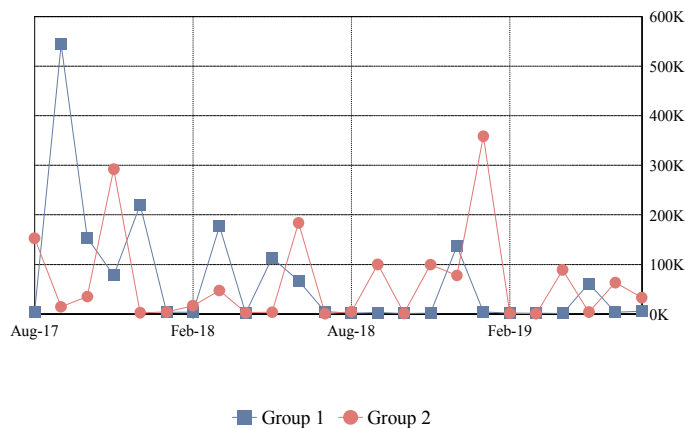
Loan Number & Loan Group	Original Principal Balance	Stated Principal Balance	Paid to Date	Current Note Rate	State & LTV at Origination	Original Term	First Payment Date
<b>Became Bankruptcy Property this Period:</b>							
707054938 1	96,000.00	89,803.96	01-Jul-2009	9.125%	ID - 75.00%	360	01-Apr-2003
TOTAL	96,000.00	89,803.96					
<b>Became Bankruptcy Property in a Prior Period:</b>							
707052833 2	57,750.00	44,287.03	01-May-2019	10.125%	FL - 75.00%	360	01-Apr-2003
707053179 1	38,250.00	32,831.36	01-Jun-2017	10.990%	PA - 85.00%	360	01-Mar-2003
707054185 1	318,200.00	223,101.39	01-May-2019	7.000%	CA - 74.00%	360	01-Apr-2003
707055935 2	72,000.00	55,039.74	01-Apr-2019	8.990%	TX - 80.00%	360	01-Apr-2003
TOTAL	486,200.00	355,259.52					
TOTAL	582,200.00	445,063.48					

#### Prepayment Report

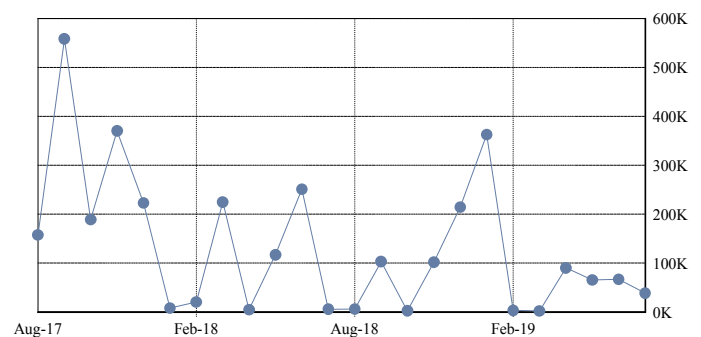
##### VOLUNTARY PREPAYMENTS

	Group 2	Group 1	Total
<b><u>Current</u></b>			
Number of Paid in Full Loans	1	0	1
Number of Repurchased Loans	0	0	0
Total Number of Loans Prepaid in Full	1	0	1
Curtailments Amount	4,831.08	5,521.34	10,352.42
Paid in Full Balance	28,279.74	0.00	28,279.74
Repurchased Loans Balance	0.00	0.00	0.00
Total Prepayment Amount	33,110.82	5,521.34	38,632.16
<b><u>Cumulative</u></b>			
Number of Paid in Full Loans	1,836	3,622	5,458
Number of Repurchased Loans	0	0	0
Total Number of Loans Prepaid in Full	1,836	3,622	5,458
Paid in Full Balance	340,325,072.01	558,914,306.58	899,239,378.59
Repurchased Loans Balance	0.00	0.00	0.00
Curtailments Amount	3,047,710.75	4,154,920.44	7,202,631.19
Total Prepayment Amount	343,372,782.76	563,069,227.02	906,442,009.78

Total Prepayments by Groups



Total Prepayments

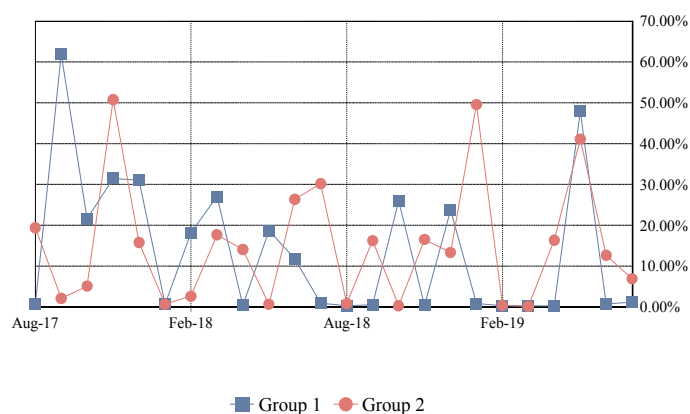




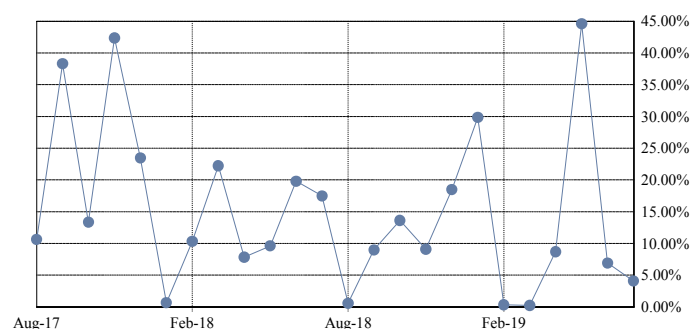
#### PREPAYMENTS RATES

	Group 2	Group 1	Total
SMM	0.59%	0.10%	0.35%
3 Months Avg SMM	2.02%	1.85%	1.94%
12 Months Avg SMM	1.46%	0.88%	1.17%
Avg SMM Since Cut-off	1.96%	2.23%	2.11%
CPR	6.90%	1.18%	4.08%
3 Months Avg CPR	21.76%	20.05%	20.91%
12 Months Avg CPR	16.17%	10.05%	13.21%
Avg CPR Since Cut-off	21.18%	23.75%	22.61%
PSA	115.05%	19.74%	68.08%
3 Months Avg PSA Approximation	362.71%	334.24%	348.54%
12 Months Avg PSA Approximation	269.42%	167.57%	220.25%
Avg PSA Since Cut-off Approximation	376.65%	422.71%	402.31%

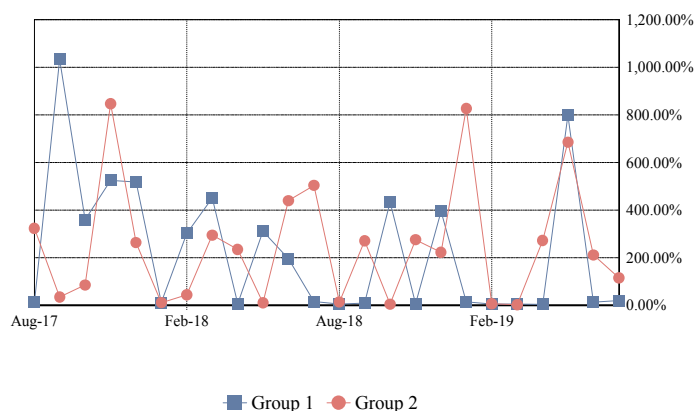
CPR by Groups



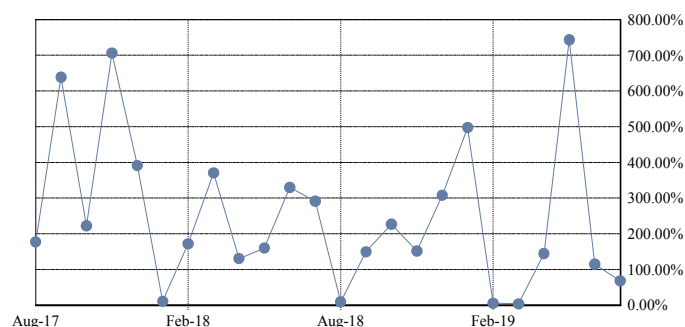
Total CPR



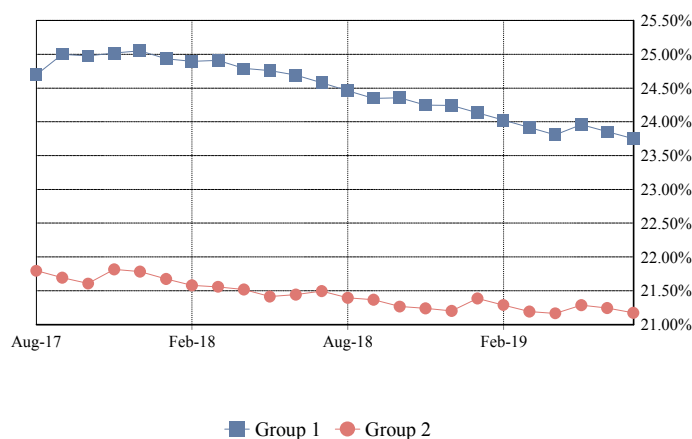
PSA by Groups



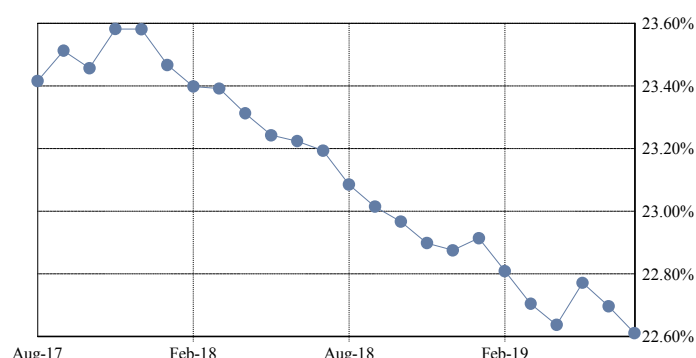
Total PSA



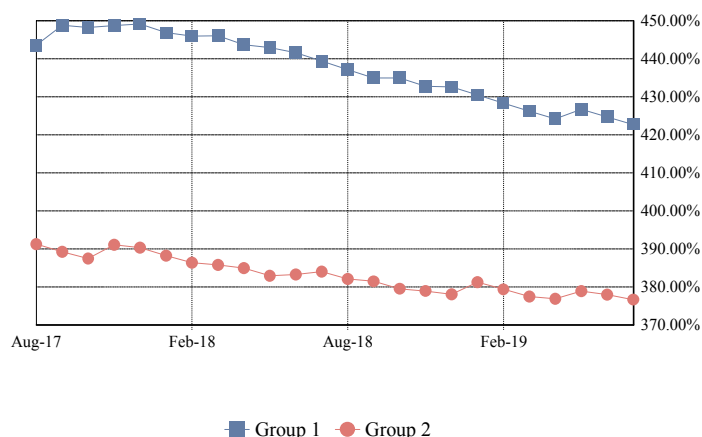
CPR Avg since Cut-Off by Groups



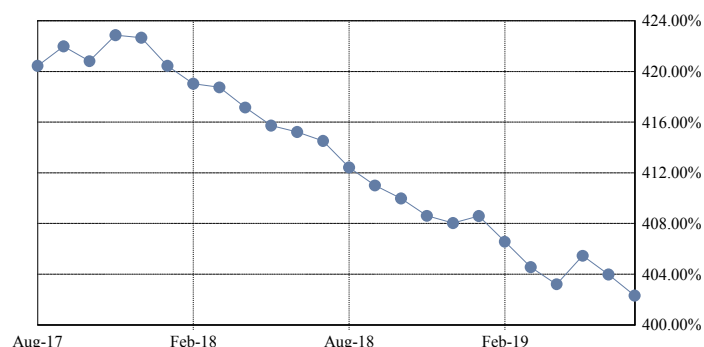
Total CPR Avg since Cut-Off



PSA Avg since Cut-Off by Groups



Total PSA Avg since Cut-Off



## PREPAYMENT CALCULATION METHODOLOGY

Single Monthly Mortality (SMM):  $(\text{Voluntary partial and full prepayments} + \text{Repurchases} + \text{Liquidation Balance}) / (\text{Beg Principal Balance} - \text{Sched Principal})$

Conditional Prepayment Rate (CPR):  $1 - (1 - \text{SMM})^{12}$

PSA Standard Prepayment Model:  $\text{CPR} / (0.20\% \cdot \min(30, \text{WAS}))$

Average SMM over period between nth month and mth month ( $\text{AvgSMM}_{n,m}$ ):  $1 - [(1 - \text{SMM}_n) \cdot (1 - \text{SMM}_{n+1}) \cdot \dots \cdot (1 - \text{SMM}_m)]^{1/\text{months in period } n,m}$

Average CPR over period between the nth month and mth month ( $\text{AvgCPR}_{n,m}$ ):  $1 - (1 - \text{AvgSMM}_{n,m})^{12}$

Average PSA Approximation over period between the nth month and mth month:  $\text{AvgCPR}_{n,m} / (0.20\% \cdot \text{Avg WAS}_{n,m})$

Average  $\text{WAS}_{n,m}$ :  $(\min(30, \text{WAS}_n) + \min(30, \text{WAS}_{n+1}) + \dots + \min(30, \text{WAS}_m)) / (\text{number of months in the period } n,m)$

Weighted Average Seasoning (WAS)

Note: Prepayment rates are calculated since deal issue date and include partial and full voluntary prepayments and repurchases.

Dates correspond to distribution dates.

Prepayment Detail Report

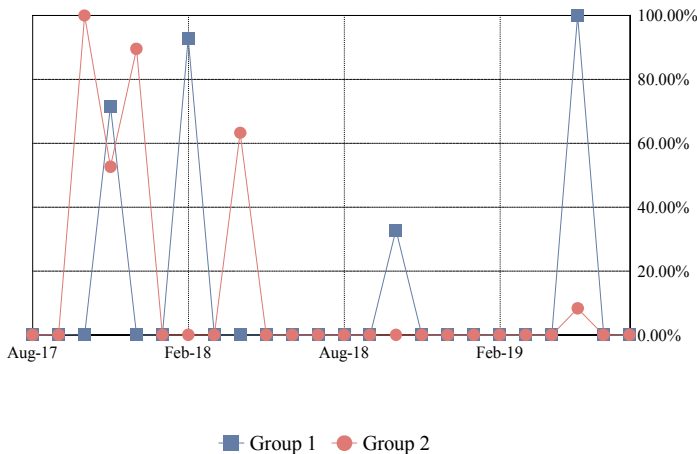
Prepayment Detail Report - Mortgage Loans Prepaid in Full During Current Distribution								
Loan Number & Loan Group	Loan Status	Original Principal Balance	Prepayment Amount	Prepayment Date	Current Note Rate	State & LTV at Origination	Type Prepayment & Original Term	First Payment Date
707052957 2		50,100.00	28,279.74	21-Jun-2019	8.500%	TX - 62.63%	Paid Off - 300	01-Apr-2003
TOTAL		50,100.00	28,279.74					

Realized Loss Report

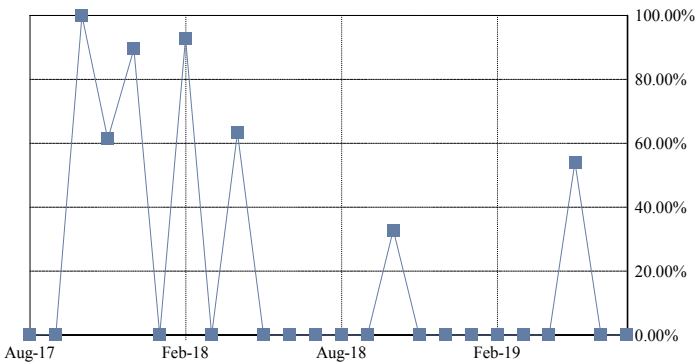
COLLATERAL REALIZED LOSSES

	Group 2	Group 1	Total
<b><u>Current</u></b>			
Number of Loans Liquidated	0	0	0
Subsequent Recoveries	0.00	0.00	0.00
Collateral Principal Realized Loss/(Gain) Amount	0.00	0.00	0.00
Collateral Interest Realized Loss/(Gain) Amount	0.00	0.00	0.00
Net Liquidation Proceeds	0.00	0.00	0.00
<b><u>Cumulative</u></b>			
Number of Loans Liquidated	212	351	563
Subsequent Recoveries	244,417.92	365,489.73	609,907.65
Collateral Realized Loss/(Gain) Amount	19,481,531.74	12,305,932.85	31,787,464.59
Net Liquidation Proceeds	11,374,899.13	17,021,607.73	28,396,506.85

Collateral Loss Severity Approximation by Groups



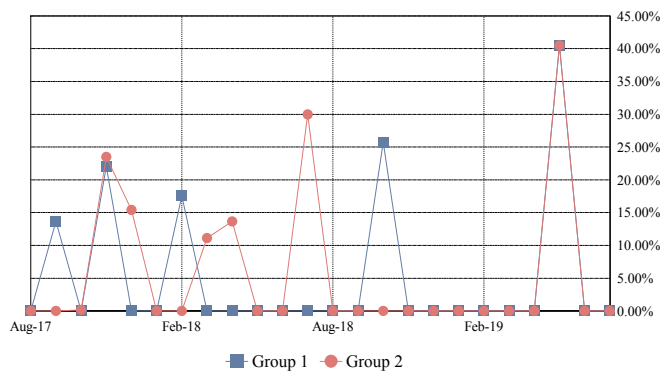
Collateral Loss Severity Approximation



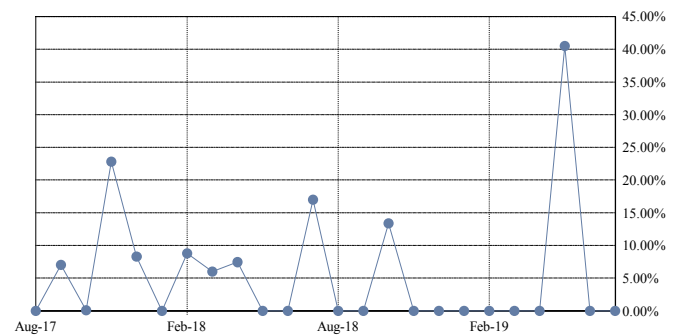
# DEFAULT SPEEDS

	Group 2	Group 1	Total
MDR	0.00%	0.00%	0.00%
3 Months Avg MDR	1.43%	1.43%	1.43%
12 Months Avg MDR	0.36%	0.57%	0.46%
Avg MDR Since Cut-off	0.36%	0.46%	0.41%
CDR	0.00%	0.00%	0.00%
3 Months Avg CDR	15.89%	15.90%	15.89%
12 Months Avg CDR	4.23%	6.58%	5.37%
Avg CDR Since Cut-off	4.18%	5.36%	4.80%
SDA	0.00%	0.00%	0.00%
3 Months Avg SDA Approximation	52,976.54%	52,983.45%	52,980.06%
12 Months Avg SDA Approximation	14,115.73%	21,937.88%	17,915.79%
Avg SDA Since Cut-off Approximation	1,903.44%	2,427.40%	2,180.43%
Loss Severity Approximation for Current Period	0.00%	0.00%	0.00%
3 Months Avg Loss Severity Approximation	8.34%	100.00%	54.10%
12 Months Avg Loss Severity Approximation	8.34%	74.31%	49.09%
Avg Loss Severity Approximation Since Cut-off	62.98%	40.02%	51.80%

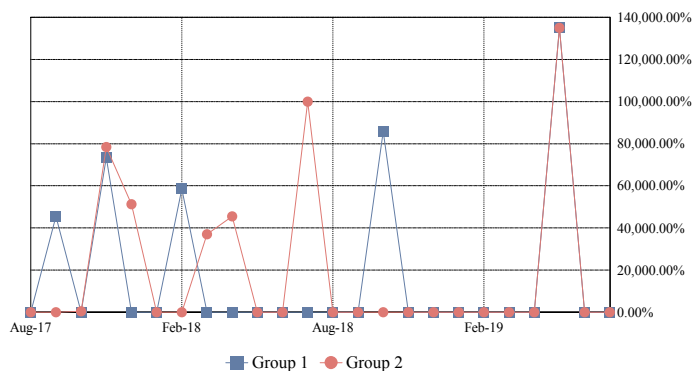
CDR by Groups



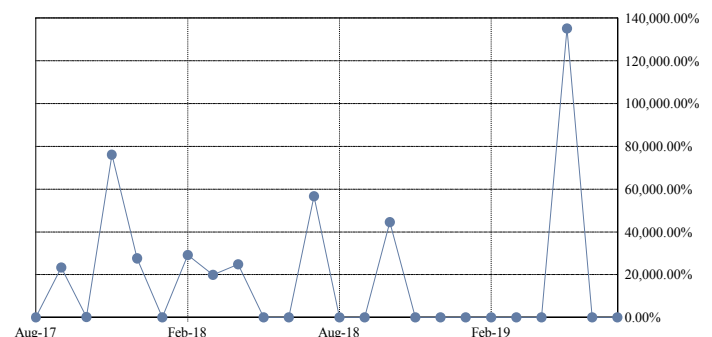
Total CDR



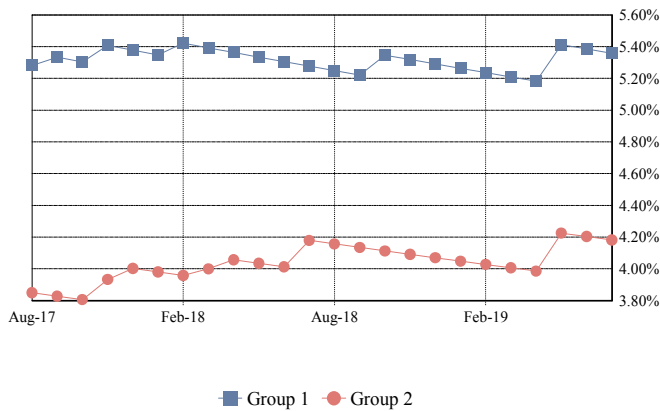
SDA by Groups



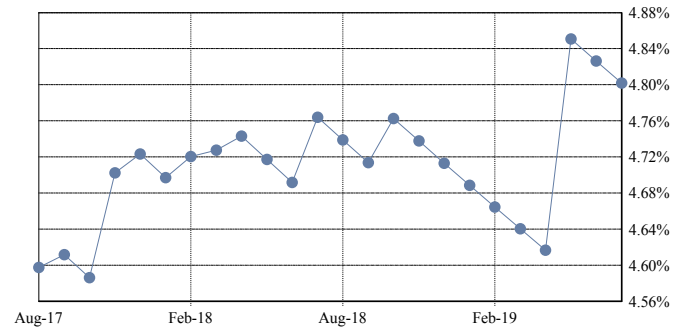
Total SDA



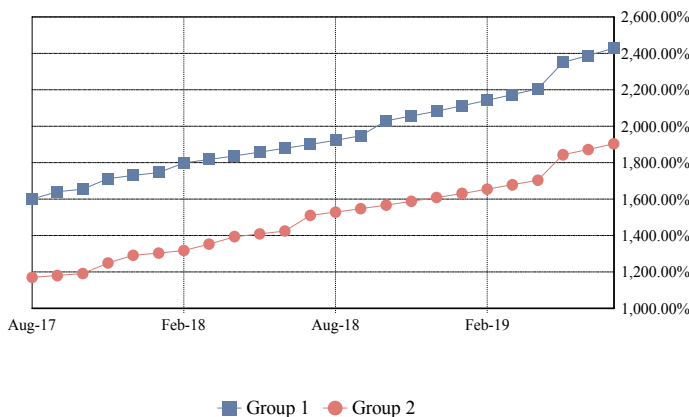
CDR Avg since Cut-Off by Groups



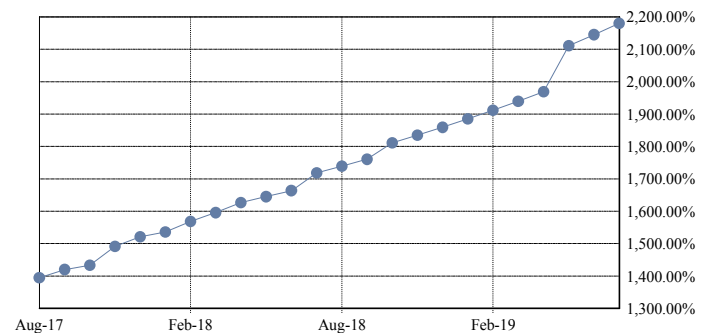
Total CDR Avg since Cut-Off



SDA Avg since Cut-Off by Groups



Total SDA Avg since Cut-Off



## COLLATERAL REALIZED LOSS CALCULATION METHODOLOGY

Monthly Default Rate (MDR):  $(\text{Beg Principal Balance of Liquidated Loans}) / (\text{Total Beg Principal Balance})$

Conditional Default Rate (CDR):  $1 - ((1 - \text{MDR})^{12})$

SDA Standard Default Assumption:  $\text{CDR} / \text{IF}(\text{WAS} < 61, \text{MIN}(30, \text{WAS}) * 0.02\%, \text{MAX}(0.03\%, \text{MIN}(30, \text{WAS}) * 0.02\% - 0.0095\% * (\text{WAS} - 60)))$

Average MDR over period between nth month and mth month ( $\text{AvgMDR}_{n,m}$ ):  $[(1 - \text{MDR}_n) * (1 - \text{MDR}_{n+1}) * \dots * (1 - \text{MDR}_m)]^{(1/\text{months in period } n,m)}$

Average CDR over period between the nth month and mth month ( $\text{AvgCDR}_{n,m}$ ):  $1 - ((1 - \text{AvgMDR}_{n,m})^{12})$

Average SDA Approximation over period between the nth month and mth month:

$\text{AvgCDR}_{n,m} / \text{IF}(\text{Avg WAS}_{n,m} < 61, \text{MIN}(30, \text{Avg WAS}_{n,m}) * 0.02\%, \text{MAX}(0.03\%, \text{MIN}(30, \text{Avg WAS}_{n,m}) * 0.02\% - 0.0095\% * (\text{Avg WAS}_{n,m} - 60)))$

Average  $\text{WAS}_{n,m}$ :  $(\text{WAS}_n + \text{WAS}_{n+1} + \dots + \text{WAS}_m) / (\text{number of months in the period } n,m)$

Loss Severity Approximation for current period:  $\text{sum}(\text{Realized Loss Amount}) / \text{sum}(\text{Beg Principal Balance of Liquidated Loans})$

Average Loss Severity Approximation over period between nth month and mth month:  $\text{Avg}(\text{Loss Severity}_{n,m})$

Note: Default rates are calculated since deal issue date and include realized gains and additional realized losses and gains from prior periods.

Dates correspond to distribution dates.

Charged off or Partially Charged off Loans assumed to have a minimum 100% Loss Severity Percentage.

Realized Loss Detail Report

Loan Number & Loan Group	Loan Status	Current Note Rate	State & LTV at Origination	Original Term	Prior Principal Balance	Realized Loss/(Gain) Revision	Realized Loss/(Gain)
TOTAL							

The Servicer has not made a final recovery determination on any loan noted above as a "Modification" and such realized loss is based on principal forbearance in connection with a loan modification.

## Triggers and Adj. Cert. Report

TRIGGER EVENTS			
	Group 2	Group 1	Total
Is the StepDown Event in effect?			Yes
Applicable % for stepdown			38.000000%
Is the Trigger Event in effect?			No
Delinquency Trigger ( (A) > (B) )			No
(A) Delinquency % ( (i) / (ii) )			13.379987%
(i) 60+ Day Delinquency 3 Month Rolling Avg Balance			1,484,795.31
(ii) Stated Principal Balance			11,097,136.07
(B) Applicable % times CE % ( (iii) * (iv) )			40.000000%
(iii) Credit Enhancement %			100.000000%
(iv) Applicable Credit Enhancement %			40.000000%
Loss Trigger ( (A) > (B) )			No
(A) Trigger Event Loss % ( (i) / (ii) )			3.162884%
(i) Cumulative Realized Loss			31,787,464.64
(ii) Cutoff Date Pool Balance			1,005,015,117.80
(B) Applicable Loss %			7.500000%
Is the Sequential Trigger Event in effect?			NA
Is the Servicer Termination Trigger Event in effect?			No
Loss Servicer Termination Trigger Event ( (A) > (B) )			No
(A) Realized Loss %			3.162884%
(B) Threshold % (for loss)			8.000000%
DQ Servicer Termination Trigger Event ( (A) > (B) )			NA
(A) Delinquency % ( (i) / (ii) )			
(B) Applicable % (for delinquency)			
HAMP Incentive Amount Reporting -			
Current Bonus Incentive Amount	0.00	0.00	0.00
Cumulative Bonus Incentive Amount	0.00	0.00	0.00

ADJUSTABLE RATE CERTIFICATE INFORMATION
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ADDITIONAL INFORMATION

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## Additional Certificate Report

[illegible]

## Mortgage Pass-Through Certificates

July 25, 2019 Distribution

## Modified Loan Detail

Modification Detail Report - Mortgage Loans Modified Durring Current Distribution										
Loan Number & Loan Group	Modification		Post-Modification							
	Date	Current Type Desc. Code	Beginning Balance	Note Rate	Maturity Date	P&I Payment	Principal Foregiveness	Interest Foregiveness	Amount Capitalized	Amount Deferred
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TOTAL										

Modification Code Description		
A Fast Track Modification	J First Pay Adjustment Date Modification	R Minimum Rate Modification
B Modification Resulting In Capitalized Amount	K First Rate Date Modification	S First Principal Payment Date Modification
C Modification Resulting In Forgiven Principal Amount	L First Rate Date Extended	T Interest Only Flag Modification
D Modification Resulting In Forgiven Interest Amount	M First Periodic Rate Cap Modification	U Interest Only Term Modification
E Modification Resulting In Deferred Amount	N Subsequent Periodic Rate Cap Down Modification	V Various Attributes Modified
F Beginning Balance Modification	O Other	W Balloon Payment Modification
G Note Rate Modification	P Subsequent Periodic Rate Cap Up Modification	X Balloon Payment Date Modification
H Scheduled P&I Amount Modification	Q Maximum Rate Modification	Y Loan Type Modification
I Maturity Date Modification		

Investor Supplemental Notice

DEAL CALENDAR

Rolling Payment Schedule

August 26, 2019	November 25, 2019	February 25, 2020	May 26, 2020
September 25, 2019	December 26, 2019	March 25, 2020	June 25, 2020
October 25, 2019	January 27, 2020	April 27, 2020	July 27, 2020