LaSalle Bank
ABN AMRO

Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06

ABN AMRO Acct : 723579.1

Payment Date:
25-Apr-06

Prior Payment:

Next Payment:
25-May-06

Record Date:
24-Apr-06

Distribution Count:
1

Closing Date:
30-Mar-06

First Pay. Date:
25-Apr-06

Rated Final Payment Date:
25-Mar-41

Content:

Contact Information:

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Outside Parties To The Transaction

Depositor: Morgan Stanley Capital I Inc.

Underwriter: Morgan Stanley Capital I Inc./McKee Nelson LLP

Rating Agency: Moody's Investors Service, Inc./Standard & Poor's Ratings Services/Fitch Ratings/Dominion Bond Rating Service, Inc - New York

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
The Master REMIC

Class	CUSIP	Original Face Value [1]	Beginning Certificate Balance	Principal Payment	Current Realized Loss	Deferred Interest	Ending Certificate Balance	Interest Payment [2]	Interest Adjustment	Pass-Through Rate
A-1	61748HYC9	203,622,000.00	203,622,000.00	7,917,299.95	0.00	0.00	195,704,700.05	725,551.57	0.00	4.9337000000%
M-1	61748HYD7	31,104,000.00	31,104,000.00	0.00	0.00	0.00	31,104,000.00	115,772.72	0.00	5.1537000000%
M-2	61748HYE5	20,938,000.00	20,938,000.00	0.00	0.00	0.00	20,938,000.00	80,504.40	0.00	5.3237000000%
M-3	61748HYF2	5,007,000.00	5,007,000.00	0.00	0.00	0.00	5,007,000.00	19,540.68	0.00	5.4037000000%
B-1	61748HYG0	6,524,000.00	6,524,000.00	0.00	0.00	0.00	6,524,000.00	28,193.86	0.00	5.9837000000%
B-2	61748HYH8	4,855,000.00	4,855,000.00	0.00	0.00	0.00	4,855,000.00	21,331.82	0.00	6.0837000000%
B-3	61748HYJ4	3,793,000.00	3,793,000.00	0.00	0.00	0.00	3,793,000.00	19,268.04	0.00	7.0337000000%
B-4	61748HYA3	4,551,000.00	4,551,000.00	0.00	0.00	0.00	4,551,000.00	26,547.50	0.00	7.0000000000%
B-5	61748HYB1	3,948,740.00	3,948,740.00	0.00	0.00	0.00	3,948,740.00	23,034.32	0.00	7.0000000000%
P	9ABS2744	100.00	100.00	0.00	0.00	0.00	100.00	40,894.86	40,894.86	N/A
OC	9ABS2773	19,118,026.93	19,118,026.93	0.00	0.00	0.00	19,118,026.93	1,557,619.92	1,557,619.92	N/A
R	9ABS2774	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total		303,460,866.93	303,460,866.93	7,917,299.95	0.00	0.00	295,543,566.98	2,658,259.69	1,598,514.78	
						Total P&I Payment		10,575,559.64		

[1] N denotes notional balance not included in total [2] Accrued Interest plus/minus Interest Adjustment minus Deferred Interest equals Interest Payment * Denotes Controlling Class

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Statement to Certificate Holders (FACTORS)
The Master REMIC

Class	CUSIP	Original Face Value	Beginning Certificate Balance *	Principal Payment *	Current Realized Loss *	Deferred Interest *	Ending Certificate Balance *	Interest Payment *	Interest Adjustment*	Next Rate **
A-1	61748HYC9	203,622,000.00	1000.000000000	38.882340562	0.000000000	0.000000000	961.117659438	3.563227795	0.000000000	5.10938000%
M-1	61748HYD7	31,104,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	3.722116770	0.000000000	5.32938000%
M-2	61748HYE5	20,938,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	3.844894450	0.000000000	5.49938000%
M-3	61748HYF2	5,007,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	3.902672259	0.000000000	5.57938000%
B-1	61748HYG0	6,524,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.321560392	0.000000000	6.15938000%
B-2	61748HYH8	4,855,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.393783728	0.000000000	6.25938000%
B-3	61748HYJ4	3,793,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	5.079894543	0.000000000	7.20938000%
B-4	61748HYA3	4,551,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	5.833333333	0.000000000	Fixed
B-5	61748HYB1	3,948,740.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	5.833334177	0.000000000	Fixed
P	9ABS2744	100.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	408948.600000000	408948.600000000	N/A
OC	9ABS2773	19,118,026.93	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	81.473884607	81.473884607	N/A
R	9ABS2774	0.00	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	N/A

* Per $1,000 of Original Face Value ** Estimated

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ABN AMRO

Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Cash Reconciliation Summary

Pool Source of Funds				Non-Pool Source of Funds

Interest Summary

Interest Summary	
Scheduled Interest	2,743,811.05
Fees	126,446.23
Remittance Interest	2,617,370.35
Other Interest Proceeds/Shortfalls	
Prepayment Penalties	40,894.86
Other Interest Loss	0.00
Other Interest Proceeds	0.00
Non-advancing Interest	0.00
Net PPIS/Relief Act Shortfall	0.00
Modification Shortfall	0.00
Other Interest Proceeds/Shortfalls	40,894.86
Interest Adjusted	2,658,265.21
Fee Summary	
Total Servicing Fees	126,446.23
Total Trustee Fees	0.00
LPMI Fees	0.00
Credit Manager's Fees	0.00
Misc. Fees / Trust Expense	0.00
Insurance Premium	0.00
Total Fees	126,446.23

Principal Summary

Principal Summary	
Scheduled Prin Distribution	111,134.24
Curtailments	127,142.25
Prepayments in Full	7,679,023.46
Liquidation Proceeds	0.00
Repurchase Proceeds	0.00
Other Principal Proceeds	0.00
Remittance Principal	7,917,299.95

Advances (Principal & Interest)

Prior Month's Outstanding Advances	N/A
Current Advances	N/A
Reimbursement of Prior Advances	N/A
Outstanding Advances	N/A

P&I Due Certificate Holders	10,575,565.16

P&I Advances as of the end of the Due Period do not reflect the amount of advances remitted by the Servicer on the Servicer Remittance Date due to additional proceeds received between the end of the Due Period and the Servicer Remittance Date and netted from the P&I Advances stated as of the end of the Due Period.

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Distribution Date: 25-Apr-06
Cash Reconciliation Summary

		Total
Interest Summary		
Scheduled Interest	2,743,811.05	2,743,811.05
Fees	126,446.23	126,446.23
Remittance Interest	2,617,370.35	2,617,370.35
Other Interest Proceeds/Shortfalls		
Prepayment Penalties	40,894.86	40,894.86
Other Interest Loss	0.00	0.00
Other Interest Proceeds	0.00	0.00
Non-advancing Interest	0.00	0.00
Net PPIS/Relief Act Shortfall	0.00	0.00
Modification Shortfall	0.00	0.00
Other Interest Proceeds/Shortfalls	40,894.86	40,894.86
Interest Adjusted	2,658,265.21	2,658,265.21
Principal Summary		
Scheduled Principal Distribution	111,134.24	111,134.24
Curtailments	127,142.25	127,142.25
Prepayments in Full	7,679,023.46	7,679,023.46
Liquidation Proceeds	0.00	0.00
Repurchase Proceeds	0.00	0.00
Other Principal Proceeds	0.00	0.00
Less Mod Losses	0.00	0.00
Remittance Principal	7,917,299.95	7,917,299.95
Fee Summary		
Total Servicing Fees	126,446.23	126,446.23
Total Trustee Fees	0.00	0.00
LPMI Fees	0.00	0.00
Total Fees	126,446.23	126,446.23
Beginning Principal Balance	303,460,766.93	303,460,766.93
Ending Principal Balance	295,543,466.98	295,543,466.98
Advances (Principal & Interest)		
Prior Month's Outstanding Advances	N/A	
Current Advances	N/A	
Reimbursement of Prior Advances	N/A	
Outstanding Advances	N/A	

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Pool Detail and Performance Indicators Total (All Loans)

Pool Detail

Pool Level Information

Historical	**Amount**	**Count**	
Original Pool Balance	303,460,766.93	5,395	
Cum Scheduled Principal	111,134.24		
Cum Unscheduled Principal	7,806,165.71		
Cum Liquidations	0.00		
Cum Deferred Interest	0.00		
Current	**Amount**	**Count**	**%**
Beginning Pool	303,460,766.93	5,395	100.00%
Scheduled Principal	111,134.24		0.04%
Unscheduled Principal	7,806,165.71	127	2.57%
Deferred Interest	0.00		0.00%
Liquidations	0.00	0	0.00%
Repurchases	0.00	0	0.00%
Ending Pool	295,543,466.98	5,268	97.39%
Average Loan Balance	56,101.65		
Current Loss Detail	**Amount**		
Liquidation	0.00		
Realized Loss	0.00		
Realized Loss Adjustment	0.00		
Net Liquidation	0.00		
Credit Enhancement	**Amount**	**%**	
Original OC	19,118,026.93	6.30%	
Target OC	19,118,026.93	6.30%	
Beginning OC	19,118,026.93		
Ending OC	19,118,026.93		
Subordinated Certificates	80,720,740.00	26.60%	

Performance Indicators

Factors Impacting Principal Payment Rules

Delinquency Levels	**Num**	**Den**	**%**
3 mo. Rolling Average	0.00	295,543,467	0.00%
6 mo. Rolling Average	0.00	295,543,467	0.00%
12 mo. Rolling Average	0.00	295,543,467	0.00%
Loss Levels	**Amount**	**Count**	
3 mo. Cum Loss	0.00		
6 mo. Cum loss	0.00		
12 mo. Cum Loss	0.00		

Triggers

> Delinquency Trigger Event (2)			NO
Delinquency Event Calc (1)	0.00	295,543,467	0.00%
> Loss Trigger Event? (3)			NO
Cumulative Loss		0	0.00%
> Overall Trigger Event?			NO
Step Down Date			
Distribution Count	1		
Current Specified Enhancement %(4)	33.78%		
Step Down % (5)	65.80%		
% of Current Specified Enhancement % (6)	12.16%		
> Step Down Date?			NO
Extra Principal	0.00		
Cumulative Extra Principal	0.00		
OC Release	N/A		

Misc/Additional Information

WA Rates/Life

	Fixed	**Adj**	**Overall**
WAC - Current	10.35%	0.00%	10.35%
WAC - Original	10.35%	0.00%	10.35%
WAL - Current	216.14	0.00	216.14
WAL - Original	216.14	0.00	216.14
Current Index Rate			4.783700%
Next Index Rate			4.959380%

Pool Composition

Properties	**Balance**	**%/Score**
Cut-off LTV	291,308,954.08	96.00%
Cash Out/Refinance	64,229,202.49	21.17%
SFR	181,206,517.73	59.71%
Owner Occupied	247,625,845.80	81.60%

	Min	**Max**	**WA**
FICO	580	821	684.71

Legend: **(1)** 60 Days+, REO, F/C % **(2)** (1) > (6) * (4), then TRUE **(3)** Condn: Cum Loss > specified thresholds **(4)** Subordinated Certs + OC Amount / Ending Pool Bal **(5)** Defined Benchmark **(6)** Defined Benchmark (Used in Delinq Event Calc) **(7)** Condn: Distn Cnt > 36, (4) > (5)

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Bond Interest Reconciliation

Class	Method (Accrual)	Days (Accrual)	Opening Balance	Pass-Thru Rate	Accrual Certificate Interest	Total Interest Additions	Total Interest Deductions	Distributable Certificate Interest	Interest Payment Amount	Current Period (Shortfall) / Recovery	Remaining Int Carry-Forward Shortfall (Outstanding)	Remaining Basis Risk Carry-Fwd Shortfall (Outstanding)	Outstanding Relief Act / Prepayment Interest Shortfalls (Outstanding)	Net Cap Rate in Effect Y/N
A-1	Act/360	26	203,622,000.00	4.933700000%	725,551.57	0.00	0.00	725,551.57	725,551.57	0.00	0.00	0.00	0.00	No
M-1	Act/360	26	31,104,000.00	5.153700000%	115,772.72	0.00	0.00	115,772.72	115,772.72	0.00	0.00	0.00	0.00	No
M-2	Act/360	26	20,938,000.00	5.323700000%	80,504.40	0.00	0.00	80,504.40	80,504.40	0.00	0.00	0.00	0.00	No
M-3	Act/360	26	5,007,000.00	5.403700000%	19,540.68	0.00	0.00	19,540.68	19,540.68	0.00	0.00	0.00	0.00	No
B-1	Act/360	26	6,524,000.00	5.983700000%	28,193.86	0.00	0.00	28,193.86	28,193.86	0.00	0.00	0.00	0.00	No
B-2	Act/360	26	4,855,000.00	6.083700000%	21,331.82	0.00	0.00	21,331.82	21,331.82	0.00	0.00	0.00	0.00	No
B-3	Act/360	26	3,793,000.00	7.033700000%	19,268.04	0.00	0.00	19,268.04	19,268.04	0.00	0.00	0.00	0.00	No
B-4	Act/360	30	4,551,000.00	7.000000000%	26,547.50	0.00	0.00	26,547.50	26,547.50	0.00	0.00	0.00	0.00	No
B-5	Act/360	30	3,948,740.00	7.000000000%	23,034.32	0.00	0.00	23,034.32	23,034.32	0.00	0.00	0.00	0.00	No
P			100.00	N/A	0.00	40,894.86	0.00	40,894.86	40,894.86	0.00	0.00	0.00	0.00	No
OC			19,118,026.93	N/A	0.00	0.00	0.00	0.00	1,557,619.92	0.00	0.00	0.00	0.00	No
Total			303,460,866.93		1,059,744.91	40,894.86	0.00	1,100,639.77	2,658,259.69	0.00	0.00	0.00	0.00	

(1) Basis Risk Carry-Forward Shortfall - difference between LIBOR plus margin and the Net Rate Cap.

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Bond Interest Reconciliation

				Additions						Deductions		
Class	Record Date	Prior Interest Due Date	Current Interest Due Date	Interest Rate SWAP Agreement	Deposits from YM Agreement	Prepayment Premiums	Prior Int Carry-Fwd Shortfall	Prior Shortfall Reimbursement	Other Interest Proceeds [(1)]	Other Interest Losses	Current Int Carry-Fwd Shortfall [(2)]	Current Basis Risk Carry-Fwd Shortfall
A-1	30-Mar-06	30-Mar-06	25-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M-1	30-Mar-06	30-Mar-06	25-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M-2	30-Mar-06	30-Mar-06	25-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M-3	30-Mar-06	30-Mar-06	25-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-1	30-Mar-06	30-Mar-06	25-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-2	30-Mar-06	30-Mar-06	25-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-3	30-Mar-06	30-Mar-06	25-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-4	31-Mar-06	27-Mar-06	25-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-5	31-Mar-06	27-Mar-06	25-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P	31-Mar-06	1-Mar-06	1-Apr-06	0.00	0.00	40,894.86	0.00	0.00	0.00	0.00	0.00	0.00
OC	31-Mar-06	1-Mar-06	1-Apr-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total				0.00	0.00	40,894.86	0.00	0.00	0.00	0.00	0.00	0.00

[(1)] Other Interest Proceeds are additional interest amounts specifically allocated to the bond(s) and used in determining the bonds Distributable Interest.
[(2)] Interest Carry-Forward Shortfall is unpaid interest with interest thereon.
[(3)] Basis Risk Carry-Forward Shortfall - difference between LIBOR plus margin and the Net Rate Cap.

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Bond Principal Reconciliation

Class	Original Class Balance	Beginning Class Balance	Scheduled Principal Payment	Unscheduled Principal Payment	Extra Principal Payment	- - - Losses - - - Prior Loss Reimburs.	Current Losses	Cumulative Losses	Interest on Losses	Ending Class Balance	Rated Final Maturity	- Credit Support - Original	Current
A-1	203,622,000.00	203,622,000.00	111,313.52	7,805,986.43	0.00	0.00	0.00	0.00	0.00	195,704,700.05	25-Mar-36	N/A	N/A
M-1	31,104,000.00	31,104,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31,104,000.00	25-Mar-36	N/A	N/A
M-2	20,938,000.00	20,938,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20,938,000.00	25-Mar-36	N/A	N/A
M-3	5,007,000.00	5,007,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,007,000.00	25-Mar-36	N/A	N/A
B-1	6,524,000.00	6,524,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,524,000.00	25-Mar-36	N/A	N/A
B-2	4,855,000.00	4,855,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,855,000.00	25-Mar-36	N/A	N/A
B-3	3,793,000.00	3,793,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,793,000.00	25-Mar-36	N/A	N/A
B-4	4,551,000.00	4,551,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,551,000.00	25-Mar-36	N/A	N/A
B-5	3,948,740.00	3,948,740.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,948,740.00	25-Mar-36	N/A	N/A
P	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	25-Mar-36	N/A	N/A
OC	19,118,026.93	19,118,026.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19,118,026.93	25-Mar-36	N/A	N/A
Total	303,460,866.93	303,460,866.93	111,313.52	7,805,986.43	0.00	0.00	0.00	0.00	0.00	295,543,566.98			

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ABN AMRO

Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Ratings Information

		Original Ratings				Ratings Change / Change Date [1]			
Class	CUSIP	Fitch	Moody's	DBRS	S&P	Fitch	Moody's	DBRS	S&P
A-1	61748HYC9	NR	Aaa	NR	AAA				
M-1	61748HYD7	NR	Aa2	NR	AA				
M-2	61748HYE5	NR	A2	NR	A				
M-3	61748HYF2	NR	A3	NR	A-				
B-1	61748HYG0	NR	Baa1	NR	BBB+				
B-2	61748HYH8	NR	Baa2	NR	BBB				
B-3	61748HYJ4	NR	Baa3	NR	BBB-				
B-4	61748HYA3	NR	Ba1	NR	BB+				
B-5	61748HYB1	NR	Ba2	NR	BB				
P	9ABS2744	NR	NR	NR	NR				
OC	9ABS2773	NR	NR	NR	NR				

NR - Designates that the class was not rated by the rating agency.

[1] Changed ratings provided on this report are based on information provided by the applicable rating agency via electronic transmission. It shall be understood that this transmission will generally have been provided to LaSalle within 30 days of the payment date listed on this statement. Because ratings may have changed during the 30 day window, or may not be being provided by the rating agency in an electronic format and therefore not being updated on this report, LaSalle recommends that investors obtain current rating information directly from the rating agency.

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part I

Distribution Date	Current		Delinquent 1 Month		Delinquent 2 Months		Delinquent 3+ Months		Foreclosure		REO	
	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance
						Total (All Loans)						
25-Apr-06	5,266	295,474,150	2	69,317	0	0	0	0	0	0	0	0

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part II

	In Foreclosure and Delinquent								In REO and Delinquent								In Bankruptcy and Delinquent							
	Current		31-60 Days		61-90 Days		90 + Days		Current		31-60 Days		61-90 Days		90 + Days		Current		31-60 Days		61-90 Days		90 + Days	
Distribution Date	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance
Total (All Loans)																								
25-Apr-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Asset-Backed Facts ~ 15 Month Historical Payoff/Loss Summary

Distribution Date	Ending Pool #	Ending Pool Balance	Payoffs #	Payoffs Balance	Insurance Proceeds	Substitution Proceeds	Liquidation Proceeds	Realized Losses #	Realized Losses Amount	Remaining Term Life	Curr Weighted Avg. Coupon	Curr Weighted Avg. Remit
						Total (All Loans)						
25-Apr-06	5,268	295,543,467	127	7,678,844	0.00	0.00	0.00	0	0	216	10.85%	10.35%

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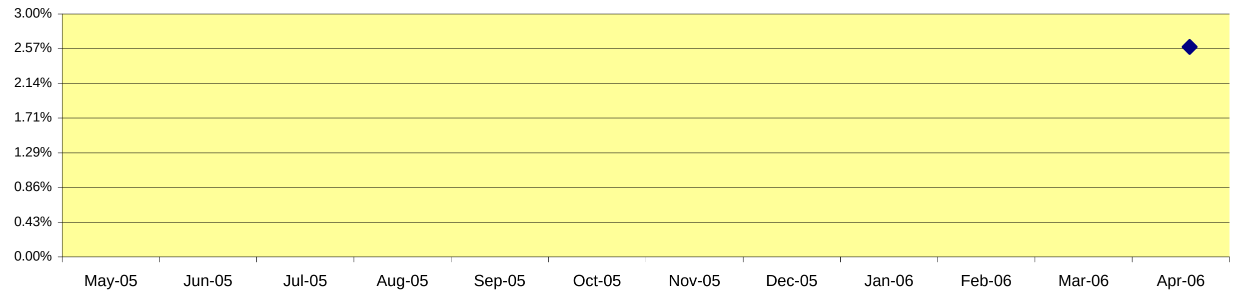
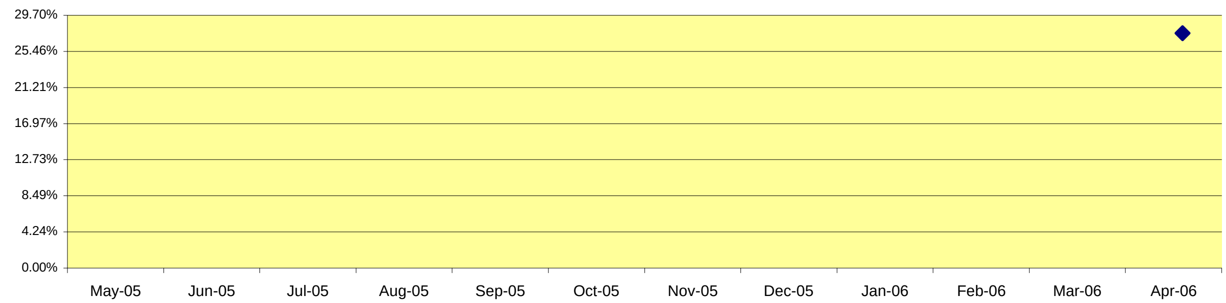
Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Prepayment Summary

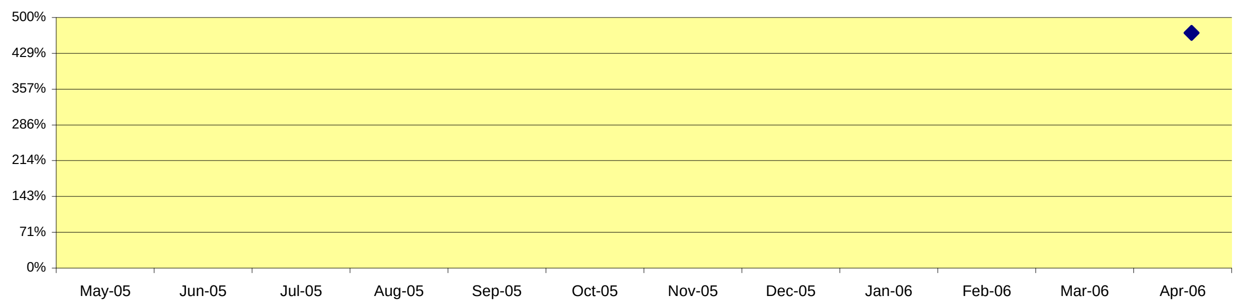
SMM (Single Monthly Mortality)	**Total**
Current Period	2.53%
3-Month Average	2.53%
6-Month Average	2.53%
12-Month Average	2.53%
Average Since Cut-Off	2.53%



CPR (Conditional Prepayment Rate)	**Total**
Current Period	26.48%
3-Month Average	26.48%
6-Month Average	26.48%
12-Month Average	26.48%
Average Since Cut-Off	26.48%



PSA (Public Securities Association)	**Total**
Current Period	441%
3-Month Average	441%
6-Month Average	441%
12-Month Average	441%
Average Since Cut-Off	441%



SMM	Single Monthly Mortality	(Partial and Full Prepayments + Repurchases + Liquidations) / (Beginning Collateral Balance - Scheduled Principal)
CPR	Conditional Prepayment Rate	1 - ((1 - SMM)^12)
PSA	Public Securities Association	100 * CPR / (0.2 * MIN(30,WAS))
WAS	Weighted Average Seasoning	((Original Term - Remaining Term) * (Current Scheduled Balance / Deal Scheduled Principal Balance)

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Loan Substitution and Deleted Mortgage Loans

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Current Period Realized Loss Detail

Disclosure Control #	Period	Original Liquidation Balance	Net Liquidation Proceeds	Loss-Loan Non-adjusted	Loss to Trust	Loss-Certs Non-adjusted	Subsequent Recov/(Exp)	Loss-Loan Adjusted	Loss-Certs Adjusted	Liq Type	Adj Type

Liq. Type Code - Legend				**Adjustment Legend**			
Charge-off	C	REO	R	Escrow Bal/Adv	1	Third Party	6
Matured	M	Short Pay	S	MREC	2	Charged Off/Matured	7
Repurchase	N	Third Party	T	Rest'd Escrow	3	Side Note	8
Note Sale	O	Write-off	W	Replacement Res.	4	Manual	9
Paid in Full	P			Suspense	5		

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Historical Realized Loss Summary

Distribution Date	Current Realized Loss: Beginning Scheduled Balance	Current Realized Loss: Net Liquidation Proceeds	Current Realized Loss: Realized Loss	Current Realized Loss: Loan Count	Previous Liquidations/Payoffs: Claims on Prior Liquidations Amount	Claims on Prior Liquidations Count	Recovery on Prior Liquidations Amount	Recovery on Prior Liquidations Count	(Claims)/Recoveries on Prior Payoffs Amount	(Claims)/Recoveries on Prior Payoffs Count	Realized Loss Adjusted	Cumulative Realized Loss
25-Apr-06	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00
Total	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	

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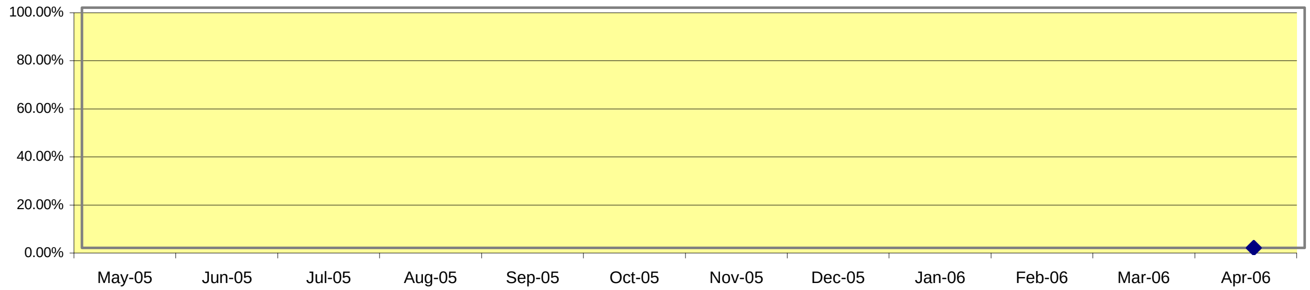
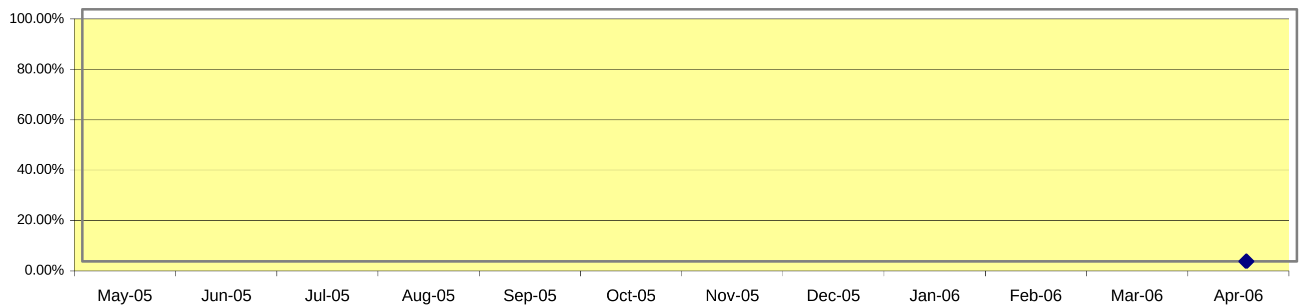
Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Realized Loss Summary

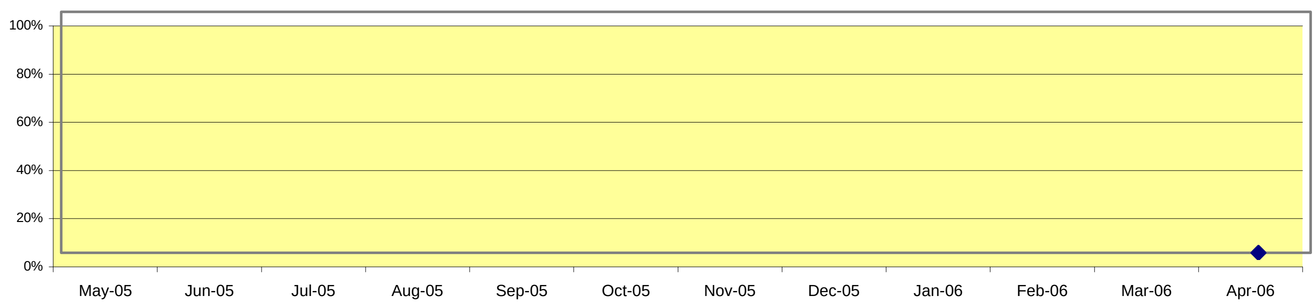
MDR (monthly Default Rate)	**Total**
Current Period	0.00%
3-Month Average	0.00%
6-Month Average	0.00%
12-Month Average	0.00%
Average Since Cut-Off	0.00%



CDR (Conditional Default Rate)	**Total**
Current Period	0.00%
3-Month Average	0.00%
6-Month Average	0.00%
12-Month Average	0.00%
Average Since Cut-Off	0.00%



SDA (Standard Default Assumption)	**Total**
Current Period	0.00%
3-Month Average	0.00%
6-Month Average	0.00%
12-Month Average	0.00%
Average Since Cut-Off	0.00%



MDR	(Monthly Default Rate)	(Beginning Principal Balance of Liquidated Loans) / (Total Beginning Principal Balance)
CDR	(Conditional Default Rate)	1 - ((1 - MDR)^12
SDA	(Standard Default Assumption)	If WAS=30 then CDR/(WAS*0.02) else if 30<WAS=60 then CDR/0.6 else if 60<WAS=120 then CDR/(0.6-((WAS-60)*0.0095)) else if WAS>120 then CDR/0.03
WAS	Weighted Average Seasoning	((Original Term - Remaining Term) * (Current Scheduled Balance / Deal Scheduled Principal Balance)

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Material Breaches Detail

Disclosure Control #	Loan Group #	Ending Principal Balance	Material Breach Date	Material Breach Description

Material breaches of pool asset representation or warranties or transaction covenants.

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Morgan Stanley Mortgage Loan Trust
Mortgage Pass-Through Rate Certificates
Series 2006-4SL

Distribution Date: 25-Apr-06
Modified Loan Detail

Disclosure Control #	Loan Group #	Modified Maturity Date	Cutoff Maturity Date	Modification Description

Modifications include any extensions or waivers to the mortgage loan terms, fees, penalties or payments during the preceding calendar month or that have become material over time.

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