



**Bear Stearns Asset Backed Securities I Trust**  
**Asset-Backed Certificates**  
**Series 2006-EC2**

**Distribution Date: 25-Apr-06**

**ABN AMRO Acct : 723453.1**

<b>Payment Date:</b>	<b>Content:</b>	<b>Pages</b>	<b>Contact Information:</b>
25-Apr-06	Statement to Certificate Holders	2	Analyst: Mark Joyner 714.259.6220 mark.joyner@abnamro.com
<b>Prior Payment:</b> 27-Mar-06	Statement to Certificate Holders (Factors)	3	Administrator: Brian Whiteley 312.992.1743 brian.whiteley@abnamro.com
<b>Next Payment:</b> 25-May-06	Pool/Non-Pool Funds Cash Reconciliation	4	LaSalle Website: <a href="http://www.etrustee.net">www.etrustee.net</a>
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	End of Month Balance Reporting	12	Underwriter: Bear Stearns Asset Backed Securities, Inc.
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<b>Rated Final Payment Date:</b> 25-Feb-36			
<b>Determination Date:</b> 14-Apr-06			



**Bear Stearns Asset Backed Securities I Trust  
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Series 2006-EC2**

**Distribution Date: 25-Apr-06  
BOND PAYMENTS**

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	07387UDM0	175,089,000.00	164,847,181.72	8,254,508.53	0.00	0.00	156,592,673.19	649,112.20	0.00	4.8881300000%
A-2	07387UDN8	105,546,000.00	105,546,000.00	0.00	0.00	0.00	105,546,000.00	423,256.38	0.00	4.9781300000%
A-3	07387UDP3	26,867,000.00	26,867,000.00	0.00	0.00	0.00	26,867,000.00	108,606.69	0.00	5.0181300000%
A-4	07387UDQ1	14,138,000.00	14,138,000.00	0.00	0.00	0.00	14,138,000.00	58,403.99	0.00	5.1281300000%
M-1	07387UDR9	27,378,000.00	27,378,000.00	0.00	0.00	0.00	27,378,000.00	115,083.25	0.00	5.2181300000%
M-2	07387UDS7	22,704,000.00	22,704,000.00	0.00	0.00	0.00	22,704,000.00	95,801.91	0.00	5.2381300000%
M-3	07387UDT5	10,017,000.00	10,017,000.00	0.00	0.00	0.00	10,017,000.00	42,429.17	0.00	5.2581300000%
M-4	07387UDU2	9,126,000.00	9,126,000.00	0.00	0.00	0.00	9,126,000.00	39,684.35	0.00	5.3981300000%
M-5	07387UDV0	8,458,000.00	8,458,000.00	0.00	0.00	0.00	8,458,000.00	36,983.96	0.00	5.4281300000%
M-6	07387UDW8	7,568,000.00	7,568,000.00	0.00	0.00	0.00	7,568,000.00	33,640.97	0.00	5.5181300000%
M-7	07387UDX6	7,123,000.00	7,123,000.00	0.00	0.00	0.00	7,123,000.00	35,105.66	0.00	6.1181300000%
M-8	07387UDY4	6,232,000.00	6,232,000.00	0.00	0.00	0.00	6,232,000.00	32,220.44	0.00	6.4181300000%
M-9	07387UDZ1	5,342,000.00	5,342,000.00	0.00	0.00	0.00	5,342,000.00	29,985.80	0.00	6.9681300000%
M-10	07387UEA5	5,565,000.00	5,565,000.00	0.00	0.00	0.00	5,565,000.00	31,237.55	0.00	6.9681300000%
CE	07387UEG2	445,177,198.22 N	434,934,263.46	0.00	0.00	0.00	426,679,754.93	874,698.95	48,395.74	N/A
P	07387UEB3	100.00	100.00	0.00	0.00	0.00	100.00	124,646.06	124,646.06	N/A
R-1	07387UEC1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
R-2	07387UED9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
R-3	07387UEE7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
RX	07387UEF4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total		431,153,100.00	420,911,281.72	8,254,508.53	0.00	0.00	412,656,773.19	2,730,897.33	173,041.80	
Total P&I Payment								10,985,405.86		

(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



**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***Distribution Date: 25-Apr-06***  
***Statement to Certificate Holders (FACTORS)***  
***BOND PAYMENTS***

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	07387UDM0	175,089,000.00	941.505072963	47.144643753	0.000000000	0.000000000	894.360429210	3.707327131	0.000000000	5.02938000%
A-2	07387UDN8	105,546,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.010160309	0.000000000	5.11938000%
A-3	07387UDP3	26,867,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.042382477	0.000000000	5.15938000%
A-4	07387UDQ1	14,138,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.130993776	0.000000000	5.26938000%
M-1	07387UDR9	27,378,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.203493681	0.000000000	5.35938000%
M-2	07387UDS7	22,704,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.219604915	0.000000000	5.37938000%
M-3	07387UDT5	10,017,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.235716282	0.000000000	5.39938000%
M-4	07387UDU2	9,126,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.348493316	0.000000000	5.53938000%
M-5	07387UDV0	8,458,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.372660203	0.000000000	5.56938000%
M-6	07387UDW8	7,568,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.445159884	0.000000000	5.65938000%
M-7	07387UDX6	7,123,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	4.928493612	0.000000000	6.25938000%
M-8	07387UDY4	6,232,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	5.170160462	0.000000000	6.55938000%
M-9	07387UDZ1	5,342,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	5.613216024	0.000000000	7.10938000%
M-10	07387UEA5	5,565,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	5.613216532	0.000000000	7.10938000%
CE	07387UEG2	445,177,198.22 N	976.991331090	0.000000000	0.000000000	0.000000000	958.449257141	1.964833225	0.108711183	N/A
P	07387UEB3	100.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	1246460.600000000	1246460.600000000	N/A
R-1	07387UEC1	0.00	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	N/A
R-2	07387UED9	0.00	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	N/A
R-3	07387UEE7	0.00	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	N/A
RX	07387UEF4	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



**Bear Stearns Asset Backed Securities I Trust**  
**Asset-Backed Certificates**  
**Series 2006-EC2**

***Distribution Date: 25-Apr-06***  
***Cash Reconciliation Summary***

Pool Source of Funds		Non-Pool Source of Funds	
Interest Summary		Reserve Fund	
<b>Interest Summary</b>		Beginning Balance	5,000.00
Scheduled Interest	2,741,361.53	Withdrawal from Trust	0.00
Fees	183,506.01	Reimbursement from Waterfall	0.00
<b>Remittance Interest</b>	2,557,855.51	Ending Balance	5,000.00
<b>Other Interest Proceeds/Shortfalls</b>		<b>Yield Maintenance Agreement</b>	
Prepayment Penalties	124,646.06	Amt Received Under the Yield Main. Agreement	48,395.74
Other Interest Loss	0.00		
Other Interest Proceeds	0.00	<b>Swap Agreement</b>	
Non-advancing Interest	0.00	Net Swap payment payable to the Swap	
Net PPIS/Relief Act Shortfall	0.00	Administrator	0.00
Modification Shortfall	0.00	Net Swap payment payable to the Swap Provider	0.00
Other Interest Proceeds/Shortfalls	124,646.06	Swap Termination payment payable to the Swap	
<b>Interest Adjusted</b>	2,682,501.57	Administrator	0.00
<b>Fee Summary</b>		Swap Termination payment payable to the Swap	0.00
Total Servicing Fees	181,222.61	Provider	
Total Trustee Fees	2,283.40		
LPMI Fees	0.00		
Credit Manager's Fees	0.00		
Misc. Fees / Trust Expense	0.00		
Insurance Premium	0.00		
<b>Total Fees</b>	183,506.01		
<b>Advances (Principal &amp; Interest)</b>			
Prior Month's Outstanding Advances	235,409.37		
Current Advances	N/A		
Reimbursement of Prior Advances	N/A		
Outstanding Advances	202,656.90	<b>P&amp;I Due Certificate Holders</b>	10,985,405.84

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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**Asset-Backed Certificates**  
**Series 2006-EC2**

***Distribution Date: 25-Apr-06***  
***Cash Reconciliation Summary***

	Fixed 1st Lien	228 ARM	327 ARM	Total
<b>Interest Summary</b>				
Scheduled Interest	163,639.27	2,470,648.62	107,073.63	2,741,361.53
Fees	11,693.74	164,153.64	7,658.64	183,506.01
Remittance Interest	151,945.53	2,306,494.98	99,415.00	2,557,855.51
<b>Other Interest Proceeds/Shortfalls</b>				
Prepayment Penalties	7,359.66	117,286.40	0.00	124,646.06
Other Interest Loss	0.00	0.00	0.00	0.00
Other Interest Proceeds	0.00	0.00	0.00	0.00
Non-advancing Interest	0.00	0.00	0.00	0.00
Net PPIS/Relief Act Shortfall	0.00	0.00	0.00	0.00
Modification Shortfall	0.00	0.00	0.00	0.00
Other Interest Proceeds/Shortfalls	7,359.66	117,286.40	0.00	124,646.06
<b>Interest Adjusted</b>	159,305.19	2,423,781.38	99,415.00	2,682,501.57
<b>Principal Summary</b>				
Scheduled Principal Distribution	23,134.80	165,582.10	8,420.61	197,137.51
Curtailments	1,723.49	12,271.80	564.00	14,559.29
Prepayments in Full	283,500.00	7,612,114.42	147,197.31	8,042,811.73
Liquidation Proceeds	0.00	0.00	0.00	0.00
Repurchase Proceeds	0.00	0.00	0.00	0.00
Other Principal Proceeds	0.00	0.00	0.00	0.00
Less Mod Losses	0.00	0.00	0.00	0.00
Remittance Principal	308,358.29	7,789,968.32	156,181.92	8,254,508.53
<b>Fee Summary</b>				
Total Servicing Fees	11,548.23	162,111.04	7,563.34	181,222.61
Total Trustee Fees	145.51	2,042.60	95.30	2,283.40
LPMI Fees	0.00	0.00	0.00	0.00
Total Fees	11,693.74	164,153.64	7,658.64	183,506.01
<b>Beginning Principal Balance</b>	27,715,760.36	389,066,488.50	18,152,014.60	434,934,263.46
<b>Ending Principal Balance</b>	27,407,402.07	381,276,520.18	17,995,832.68	426,679,754.93
<b>Advances (Principal &amp; Interest)</b>				
Prior Month's Outstanding Advances	20,791.45	203,838.73	10,779.19	235,409.37
Current Advances	N/A	N/A	N/A	N/A
Reimbursement of Prior Advances	N/A	N/A	N/A	N/A
Outstanding Advances	21,043.23	170,873.03	10,740.64	202,656.90

**Bear Stearns Asset Backed Securities I Trust**  
**Asset-Backed Certificates**  
**Series 2006-EC2**

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

Pool Detail				Performance Indicators				Misc/Additional Information			
Pool Level Information				Factors Impacting Principal Payment Rules				WA Rates/Life			
Historical	Amount	Count		Delinquency Levels	Num	Den	%		Fixed	Adj	Overall
Original Pool Balance	445,177,198.22	1,683		3 mo. Rolling Average	2,972,211.35	430,807,009	0.70%	WAC - Current	6.58%	7.09%	7.06%
Cum Scheduled Principal	396,831.03			6 mo. Rolling Average	2,972,211.35	430,807,009	0.70%	WAC - Original	6.62%	7.10%	7.06%
Cum Unscheduled Principal	18,100,612.26			12 mo. Rolling Average	2,972,211.35	430,807,009	0.70%	WAL - Current	348.83	355.28	354.86
Cum Liquidations	0.00			Loss Levels	Amount	Count		WAL - Original	349.87	356.28	355.87
Cum Deferred Interest	0.00			3 mo. Cum Loss	0.00			<b>Current Index Rate</b> 4.818130%			
				6 mo. Cum loss	0.00						
				12 mo. Cum Loss	0.00			<b>Next Index Rate</b> 4.959380%			
Current	Amount	Count	%	Triggers							
Beginning Pool	434,934,263.46	1,649	97.70%	> Delinquency Trigger Event <sup>(2)</sup>							
Scheduled Principal	197,137.51		0.04%	Delinquency Event Calc <sup>(1)</sup>	5,696,922.70	426,679,755	1.34%				
Unscheduled Principal	8,057,371.02	29	1.81%	> Loss Trigger Event? <sup>(3)</sup>							
Deferred Interest	0.00		0.00%	Cumulative Loss		0	0.00%				
Liquidations	0.00	0	0.00%	> Overall Trigger Event?							
Repurchases	0.00	0	0.00%	Step Down Date							
Ending Pool	426,679,754.93	1,620	95.84%	Distribution Count	2						
<b>Average Loan Balance</b>	<b>263,382.56</b>			Current Specified Enhancement % <sup>(4)</sup>	28.95%						
<b>Current Loss Detail</b>				Step Down % <sup>(5)</sup>	55.50%						
				% of Current Specified Enhancement % <sup>(6)</sup>	28.75%						
				> Step Down Date?							
				Extra Principal	0.00						
<b>Credit Enhancement</b>				Cumulative Extra Principal	0.00						
				OC Release	N/A						

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



**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***Distribution Date: 25-Apr-06  
Bond Interest Reconciliation***

-- Accrual --					----- Outstanding -----									
Class	Method	Days	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	Remaining Basis Risk Carry- Fwd Shortfall	Outstanding Relief Act / Prepayment Interest Shortfalls	Net Cap Rate in Effect Y/N
A-1	Act/360	29	164,847,181.72	4.888130000%	649,112.20	0.00	0.00	649,112.20	649,112.20	0.00	0.00	0.00	0.00	No
A-2	Act/360	29	105,546,000.00	4.978130000%	423,256.38	0.00	0.00	423,256.38	423,256.38	0.00	0.00	0.00	0.00	No
A-3	Act/360	29	26,867,000.00	5.018130000%	108,606.69	0.00	0.00	108,606.69	108,606.69	0.00	0.00	0.00	0.00	No
A-4	Act/360	29	14,138,000.00	5.128130000%	58,403.99	0.00	0.00	58,403.99	58,403.99	0.00	0.00	0.00	0.00	No
M-1	Act/360	29	27,378,000.00	5.218130000%	115,083.25	0.00	0.00	115,083.25	115,083.25	0.00	0.00	0.00	0.00	No
M-2	Act/360	29	22,704,000.00	5.238130000%	95,801.91	0.00	0.00	95,801.91	95,801.91	0.00	0.00	0.00	0.00	No
M-3	Act/360	29	10,017,000.00	5.258130000%	42,429.17	0.00	0.00	42,429.17	42,429.17	0.00	0.00	0.00	0.00	No
M-4	Act/360	29	9,126,000.00	5.398130000%	39,684.35	0.00	0.00	39,684.35	39,684.35	0.00	0.00	0.00	0.00	No
M-5	Act/360	29	8,458,000.00	5.428130000%	36,983.96	0.00	0.00	36,983.96	36,983.96	0.00	0.00	0.00	0.00	No
M-6	Act/360	29	7,568,000.00	5.518130000%	33,640.97	0.00	0.00	33,640.97	33,640.97	0.00	0.00	0.00	0.00	No
M-7	Act/360	29	7,123,000.00	6.118130000%	35,105.66	0.00	0.00	35,105.66	35,105.66	0.00	0.00	0.00	0.00	No
M-8	Act/360	29	6,232,000.00	6.418130000%	32,220.44	0.00	0.00	32,220.44	32,220.44	0.00	0.00	0.00	0.00	No
M-9	Act/360	29	5,342,000.00	6.968130000%	29,985.80	0.00	0.00	29,985.80	29,985.80	0.00	0.00	0.00	0.00	No
M-10	Act/360	29	5,565,000.00	6.968130000%	31,237.55	0.00	0.00	31,237.55	31,237.55	0.00	0.00	0.00	0.00	No
CE	30/360		434,934,263.46	2.279800000%	826,303.21	48,395.74	0.00	874,698.95	874,698.95	0.00	0.00	0.00	0.00	No
P			100.00	0.000000000%	0.00	124,646.06	0.00	124,646.06	124,646.06	0.00	0.00	0.00	0.00	No
Total			420,911,281.72		2,557,855.53	173,041.80	0.00	2,730,897.33	2,730,897.33	0.00	0.00	0.00	0.00	

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



**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***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 <sup>(1)</sup>	Other Interest Losses	Current Int Carry-Fwd Shortfall <sup>(2)</sup>	Current Basis Risk Carry-Fwd Shortfall		
A-1	24-Apr-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		
A-2	24-Apr-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		
A-3	24-Apr-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		
A-4	24-Apr-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		
M-1	24-Apr-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		
M-2	24-Apr-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		
M-3	24-Apr-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		
M-4	24-Apr-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		
M-5	24-Apr-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		
M-6	24-Apr-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		
M-7	24-Apr-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		
M-8	24-Apr-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		
M-9	24-Apr-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		
M-10	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		
CE	31-Mar-06	1-Mar-06	1-Apr-06	0.00	48,395.74	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	124,646.06	0.00	0.00	0.00	0.00	0.00	0.00		
Total				0.00	48,395.74	124,646.06	0.00	0.00	0.00	0.00	0.00	0.00		

<sup>(1)</sup> Other Interest Proceeds are additional interest amounts specifically allocated to the bond(s) and used in determining the bonds Distributable Interest.

<sup>(2)</sup> Interest Carry-Forward Shortfall is unpaid interest with interest thereon.

<sup>(3)</sup> Basis Risk Carry





**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***Distribution Date: 25-Apr-06  
Bond Principal Reconciliation***

----- Losses -----												- Credit Support -	
Class	Original Class Balance	Beginning Class Balance	Scheduled Principal Payment	Unscheduled Principal Payment	Extra Principal Payment	Prior Loss Reimburs.	Current Losses	Cumulative Losses	Interest on Losses	Ending Class Balance	Rated Final Maturity	Original	Current
A-1	175,089,000.00	164,847,181.72	197,137.51	8,057,371.02	0.00	0.00	0.00	0.00	0.00	156,592,673.19	25-Feb-36	N/A	N/A
A-2	105,546,000.00	105,546,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105,546,000.00	25-Feb-36	N/A	N/A
A-3	26,867,000.00	26,867,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26,867,000.00	25-Feb-36	N/A	N/A
A-4	14,138,000.00	14,138,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14,138,000.00	25-Feb-36	N/A	N/A
M-1	27,378,000.00	27,378,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27,378,000.00	25-Feb-36	N/A	N/A
M-2	22,704,000.00	22,704,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,704,000.00	25-Feb-36	N/A	N/A
M-3	10,017,000.00	10,017,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,017,000.00	25-Feb-36	N/A	N/A
M-4	9,126,000.00	9,126,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,126,000.00	25-Feb-36	N/A	N/A
M-5	8,458,000.00	8,458,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,458,000.00	25-Feb-36	N/A	N/A
M-6	7,568,000.00	7,568,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,568,000.00	25-Feb-36	N/A	N/A
M-7	7,123,000.00	7,123,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,123,000.00	25-Feb-36	N/A	N/A
M-8	6,232,000.00	6,232,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,232,000.00	25-Feb-36	N/A	N/A
M-9	5,342,000.00	5,342,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,342,000.00	25-Feb-36	N/A	N/A
M-10	5,565,000.00	5,565,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,565,000.00	25-Feb-36	N/A	N/A
CE	445,177,198.22	434,934,263.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	426,679,754.93	25-Feb-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-Feb-36	N/A	N/A
Total	431,153,100.00	420,911,281.72	197,137.51	8,057,371.02	0.00	0.00	0.00	0.00	0.00	412,656,773.19			

**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***Distribution Date: 25-Apr-06  
Ratings Information***

----- Original Ratings -----					----- Ratings Change / Change Date <sup>(1)</sup> -----		
Class	CUSIP	Fitch	Moody's	S&P	Fitch	Moody's	S&P
A-1	07387UDM0	NR	Aaa	AAA			
A-2	07387UDN8	NR	Aaa	AAA			
A-3	07387UDP3	NR	Aaa	AAA			
A-4	07387UDQ1	NR	Aaa	AAA			
M-1	07387UDR9	NR	Aa1	AA+			
M-2	07387UDS7	NR	Aa2	AA			
M-3	07387UDT5	NR	Aa3	AA-			
M-4	07387UDU2	NR	A1	A+			
M-5	07387UDV0	NR	A2	A			
M-6	07387UDW8	NR	A3	A-			
M-7	07387UDX6	NR	Baa1	BBB+			
M-8	07387UDY4	NR	Baa2	BBB			
M-9	07387UDZ1	NR	Baa3	BBB-			
M-10	07387UEA5	NR	Ba1	BB+			
CE	07387UEG2	NR	NR	NR			
P	07387UEB3	NR	NR	NR			

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

<sup>(1)</sup> 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 wi

**Bear Stearns Asset Backed Securities I Trust**  
**Asset-Backed Certificates**  
**Series 2006-EC2**

***Distribution Date: 25-Apr-06***  
***Yield Maintenance Agreement***

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Amount paid to the Derivative Administrator	48,395.74
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**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***Distribution Date: 25-Apr-06  
End of Month Balance Reporting***

Type	Count	Count (%)	Scheduled UPB	Sched UPB (%)	Arrears	Arrears (%)	F/C Quick Sale Value	REO Book Value
<b>Total</b>								
0	1574	95.4518%	413,988,193.63	96.4695%	0.00	0.0000%	0.00	0.00
30	35	2.1225%	9,453,855.72	2.2030%	0.00	0.0000%	0.00	0.00
60	20	1.2129%	5,449,422.70	1.2699%	0.00	0.0000%	0.00	0.00
90+	1	0.0606%	247,500.00	0.0577%	0.00	0.0000%	0.00	0.00
PIF	19	1.1522%	0.00	0.0000%	0.00	0.0000%	0.00	0.00
<b>Total (Prior Month End):</b>	<b>1649</b>	<b>100.0000%</b>	<b>429,138,972.00</b>	<b>100.0000%</b>	<b>0.00</b>	<b>0.0000%</b>	<b>0.00</b>	<b>0.00</b>
<b>Delinq Total (Prior Month End):</b>	<b>56</b>	<b>3.3960%</b>	<b>15,150,778.00</b>	<b>3.5305%</b>	<b>0.00</b>	<b>0.0000%</b>	<b>0.00</b>	<b>0.00</b>

**Total (Prior Month End):**  
**Delinq Total (Prior Month End):**



**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***Distribution Date: 25-Apr-06***

***Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part I***

Distribution Date	Count	Current Balance	Delinq 1 Month Count	Delinq 1 Month Balance	Delinq 2 Months Count	Delinq 2 Months Balance	Delinq 3+ Months Count	Delinq 3+ Months Balance	Bankruptcy Count	Bankruptcy Balance	Foreclosure Count	Foreclosure Balance	REO Count	REO Balance
<b><i>Total (All Loans)</i></b>														
25-Apr-06	1,564	411,528,977	35	9,453,856	20	5,449,423	1	247,500	0	0	0	0	0	0
27-Mar-06	1,597	420,999,624	51	13,687,140	1	247,500	0	0	0	0	0	0	0	0

<b><i>Fixed 1st Lien</i></b>														
25-Apr-06	118	26,125,535	2	255,256	2	1,026,611	0	0	0	0	0	0	0	0
27-Mar-06	119	26,227,287	4	1,488,474	0	0	0	0	0	0	0	0	0	0

Delinquency Balances are Exclusive of REO, Foreclosures and Bankruptcies.



**Bear Stearns Asset Backed Securities I Trust**  
**Asset-Backed Certificates**  
**Series 2006-EC2**

***Distribution Date: 25-Apr-06***

***Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part I***

Distribution Date	Current		Delinq 1 Month		Delinq 2 Months		Delinq 3+ Months		Bankruptcy		Foreclosure		REO	
	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance
<b>228 ARM</b>														
25-Apr-06	1,378	368,479,470	30	8,624,502	16	3,925,048	1	247,500	0	0	0	0	0	0
27-Mar-06	1,409	377,676,326	42	11,142,662	1	247,500	0	0	0	0	0	0	0	0

<b>327 ARM</b>														
25-Apr-06	68	16,923,972	3	574,097	2	497,763	0	0	0	0	0	0	0	0
27-Mar-06	69	17,096,011	5	1,056,004	0	0	0	0	0	0	0	0	0	0

Delinquency Balances are Exclusive of REO, Foreclosures and Bankruptcies.



**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***Distribution Date: 25-Apr-06***

***Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part II***

Distribution Date	----- 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	
	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance
<b><i>Total (All Loans)</i></b>																								
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
27-Mar-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

<b><i>Fixed 1st Lien</i></b>																								
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
27-Mar-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



**Bear Stearns Asset Backed Securities I Trust**  
**Asset-Backed Certificates**  
**Series 2006-EC2**

***Distribution Date: 25-Apr-06***

***Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part II***

Distribution Date	----- 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	
	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance
<b><i>228 ARM</i></b>																								
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
27-Mar-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

<b><i>327 ARM</i></b>																								
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
27-Mar-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



**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***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	Remit
<b><i>Total (All Loans)</i></b>												
25-Apr-06	1,620	426,679,755	29	8,042,812	0.00	0.00	0.00	0	0	355	7.56%	7.06%
27-Mar-06	1,649	434,934,263	34	10,029,374	0.00	0.00	0.00	0	0	356	7.57%	7.06%

<b><i>Fixed 1st Lien</i></b>												
25-Apr-06	122	27,407,402	1	283,500	0.00	0.00	0.00	0	0	349	7.09%	6.58%
27-Mar-06	123	27,715,760	4	1,303,599	0.00	0.00	0.00	0	0	350	7.13%	6.62%



**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***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	Remit
<b>228 ARM</b>												
25-Apr-06	1,425	381,276,520	27	7,612,114	0.00	0.00	0.00	0	0	355	7.62%	7.11%
27-Mar-06	1,452	389,066,489	28	8,215,048	0.00	0.00	0.00	0	0	356	7.63%	7.12%

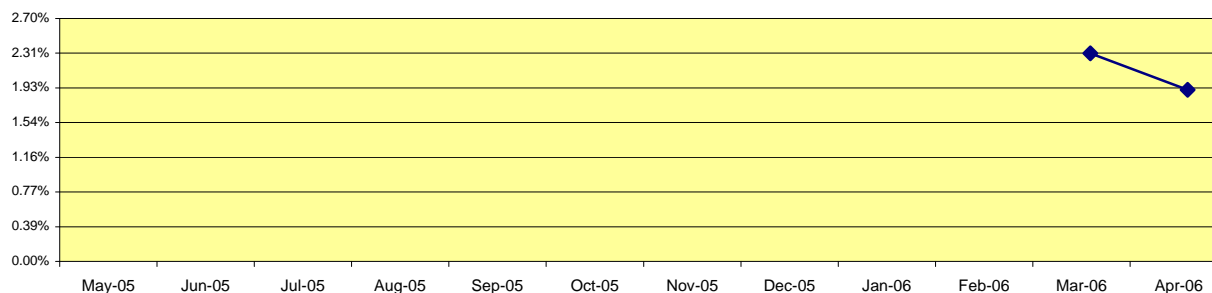
<b>327 ARM</b>												
25-Apr-06	73	17,995,833	1	147,197	0.00	0.00	0.00	0	0	354	7.08%	6.57%
27-Mar-06	74	18,152,015	2	510,727	0.00	0.00	0.00	0	0	355	7.06%	6.55%

**Bear Stearns Asset Backed Securities I Trust**  
**Asset-Backed Certificates**  
**Series 2006-EC2**

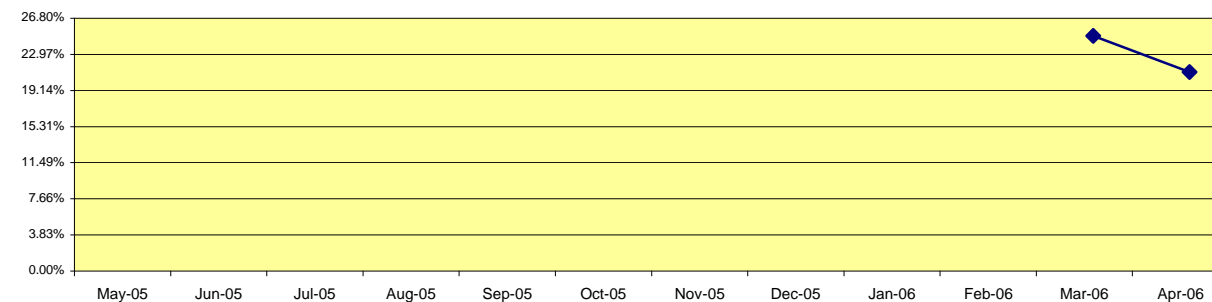
***Distribution Date: 25-Apr-06***  
***Prepayment Summary***

**SMM (Single Monthly Mortality)**
**Total**

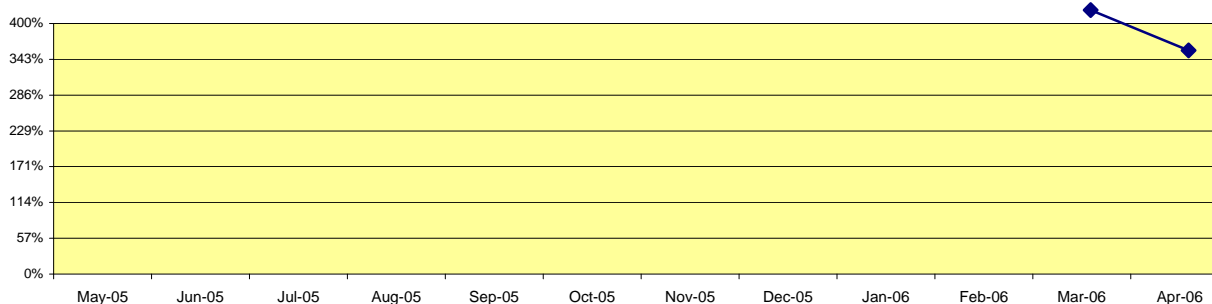
Current Period	1.85%
3-Month Average	2.05%
6-Month Average	2.05%
12-Month Average	2.05%
Average Since Cut-Off	2.05%


**CPR (Conditional Prepayment Rate)**
**Total**

Current Period	20.07%
3-Month Average	22.00%
6-Month Average	22.00%
12-Month Average	22.00%
Average Since Cut-Off	22.00%


**PSA (Public Securities Association)**
**Total**

Current Period	335%
3-Month Average	367%
6-Month Average	367%
12-Month Average	367%
Average Since Cut-Off	367%



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





**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

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

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

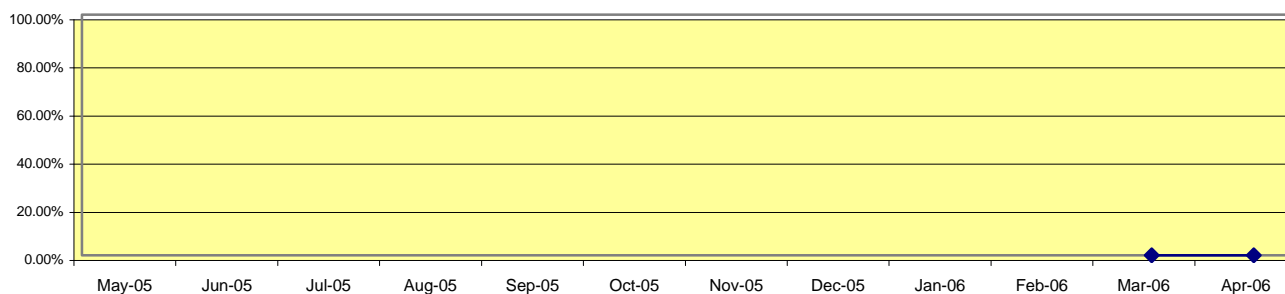
**Bear Stearns Asset Backed Securities I Trust**  
**Asset-Backed Certificates**  
**Series 2006-EC2**

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

**MDR (monthly Default Rate)**

**Total**

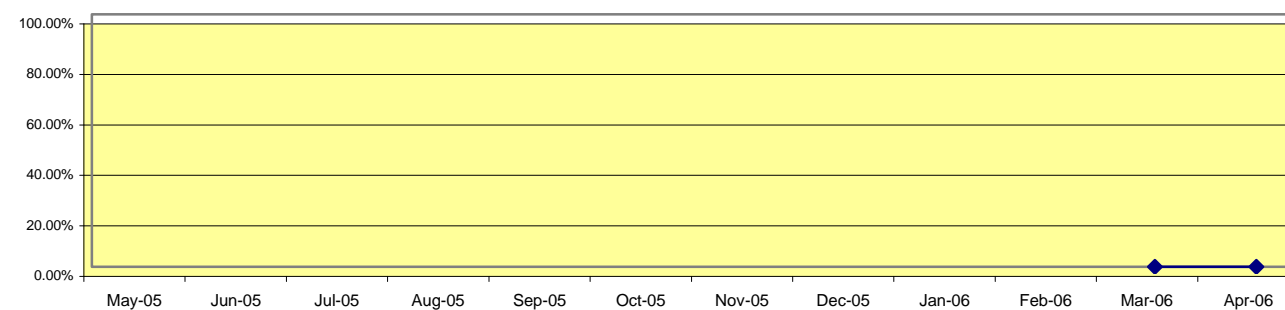
Current Period	0.00%
3-Month Average	0.00%
6-Month Average	0.00%
12-Month Average	0.00%
Average Since Cut-Off	0.00%



**CDR (Conditional Default Rate)**

**Total**

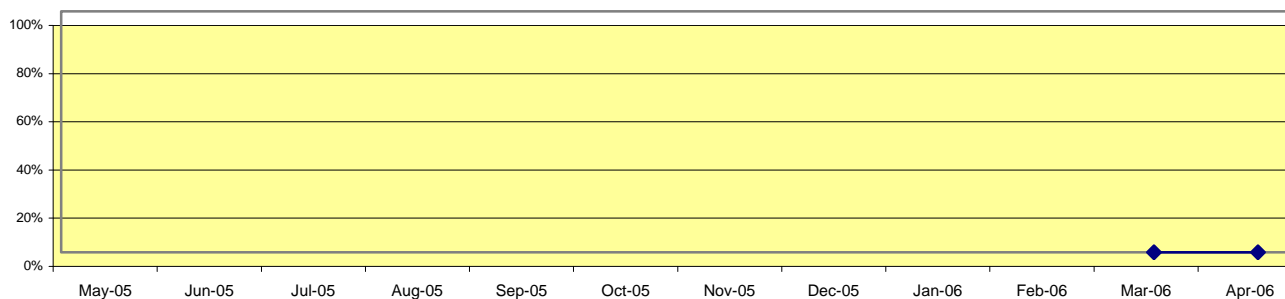
Current Period	0.00%
3-Month Average	0.00%
6-Month Average	0.00%
12-Month Average	0.00%
Average Since Cut-Off	0.00%



**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)	$(\text{Beginning Principal Balance of Liquidated Loans}) / (\text{Total Beginning Principal Balance})$
CDR	(Conditional Default Rate)	$1 - ((1 - \text{MDR})^{\wedge 12})$
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	$((\text{Original Term} - \text{Remaining Term}) * (\text{Current Scheduled Balance} / \text{Deal Scheduled Principal Balance}))$



**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***Distribution Date: 25-Apr-06  
Material Breaches Detail***

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Disclosure Control #	Loan Group #	Ending Principal Balance	Material Breach Date	Material Breach Description
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Material breaches of pool asset representation or warranties or transaction covenants.



**Bear Stearns Asset Backed Securities I Trust  
Asset-Backed Certificates  
Series 2006-EC2**

***Distribution Date: 25-Apr-06  
Modified Loan Detail***

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