BOEING CO Form 4 May 04, 2006

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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OMB APPROVAL

if no longer subject to Section 16. Form 4 or Form 5 obligations

may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SOODIK BONNIE W			2. Issuer Name a Symbol BOEING CO	and Ticker or Trading	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earlies	t Transaction	(Sheen an approache)			
100 N. RIVERSIDE PLAZA, M/C 5003-1001			(Month/Day/Year 05/02/2006	·)	Director 10% Owner X Officer (give title Other (specifically) below) Sr. V.P., Internal Governance			
	(Street)		4. If Amendment,	Date Original	6. Individual or Joi	int/Group Fi	ling(Check	
CHICAGO, IL 60606			Filed(Month/Day/Y	(ear)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - No	n-Derivative Securities Acq	uired, Disposed of,	or Benefic	ially Owned	
1.Title of	2. Transaction Γ	Date 2A. Deeme	d 3.	4. Securities Acquired (A)) 5. Amount of	6.	7. Natur	

(City)	(State)	(Zip) Tab	le I - Non-	Derivative S	ecurit	ies Acqui	red, Disposed of,	or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	4. Securities or Disposed (Instr. 3, 4 a	of (D) and 5) (A) or)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common	05/02/2006		Code V M	Amount 1,488.99	(D) A	Price \$ 0	21,461.99	D	
Common	05/02/2006		F	601.99	D	\$ 85.33	20,860	D	
Common	05/02/2006		M	4,579.02	A	\$0	25,439.02	D	
Common	05/02/2006		F	1,670.02	D	\$ 85.33	23,769	D	
Common	05/03/2006		S	2,600	D	\$ 85.79	21,169	D	
Common	05/03/2006		S	4,000	D	\$ 85.79	17,169	D	

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Common	05/03/2006	S	200	D	\$ 85.83	16,969	D	
Common	05/03/2006	S	800	D	\$ 85.84	16,169	D	
Common	05/03/2006	S	2,635	D	\$ 85.86	13,534	D	
Common						1,319.74	I	Boeing 401(k) Plan
Common						108.17	I	By PAYSOP
Common						10,053.93	I	Career Shares

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Securities A or Disposed (Instr. 3, 4, a	cquired (A) of (D)	6. Date Exer Expiration D (Month/Day/	7. Title a Underlyi (Instr. 3 a	
	security						Date Exercisable	Expiration Date	Title
2002				Code V	(A)	(D)			
2002 Performance Shares	<u>(1)</u>	05/02/2006		M		1,488.99	(2)	02/25/2007	Comm
2002 Performance Shares	(1)	05/02/2006		M		992.66 (3)	(2)	02/25/2007	Comm
2004 Performance Shares	(1)	05/02/2006		M		4,579.02	<u>(4)</u>	02/23/2009	Comm
2004 Performance Shares	(1)	05/02/2006		M		3,052.68 (3)	<u>(4)</u>	02/23/2009	Comm
Deferred Compensation Units	<u>(5)</u>	05/02/2006		M	998.39 (3)		<u>(6)</u>	<u>(6)</u>	Comm

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Deferred Compensation Units	<u>(5)</u>	05/02/2006	A	249.6 <u>(7)</u>	<u>(6)</u>	<u>(6)</u>	Comm
Deferred Compensation Units	<u>(5)</u>	05/02/2006	M	3,070.31 (3)	<u>(6)</u>	<u>(6)</u>	Comm
Deferred Compensation Units	<u>(5)</u>	05/02/2006	A	767.58 (7)	<u>(6)</u>	<u>(6)</u>	Comm

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

SOODIK BONNIE W 100 N. RIVERSIDE PLAZA M/C 5003-1001 CHICAGO, IL 60606

Sr. V.P., Internal Governance

Signatures

By: /s/ Mark R. Pacioni as Attorney-in-Fact

05/04/2006

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Performance shares convert on 1 for 1 basis on vesting
- (2) 2002 Performance Shares vest in the following installments when the average daily closing price of Boeing stock reaches, for a specified period, the following dollar levels: 25% at \$72.38, 40% at \$75.73, 55% at \$79.20, 75% at \$82.80, 100% at \$86.53 and 125% at \$90.39.
- (3) Reflects deferral of phantom stock units by reporting person upon vesting of performance stock units. Units are calculated based upon the difference between the closing price and the fair market value on the date of the transaction.
- 2004 Performance Shares vest in the following installments when the average daily closing price of Boeing stock reaches, for a specified (4) period, the following dollar levels: 15% at \$60.94, 30% at \$65.30, 45% at \$69.65, 60% at \$74.00, 75% at \$78.35, 90% at \$82.71, 100% at \$87.06, 110% at \$91.41, 120% at \$95.77, and 125% at \$97.94.
- (5) Phantom stock units are convertible into common stock on a 1-for-1 basis.
- Phantom stock units acquired by reporting person pursuant to the Company's Deferred Compensation Plan. Units are payable in stock or cash following termination for retirement, death, disability or layoff. Company match contributions are forfeited upon termination for any reason other than retirement, death, disability or layoff.
- (7) Performance Share company match allocated to reporting person's performance share account under the deferred compensation plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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