

Sunstone Hotel Investors, Inc.
 Form 4
 October 27, 2006

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
ALTER ROBERT A

(Last) (First) (Middle)
 903 CALLE AMANECER, SUITE 100
 (Street)

SAN CLEMENTE, CA 92011

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Sunstone Hotel Investors, Inc. [SHO]

3. Date of Earliest Transaction (Month/Day/Year)
 10/26/2006

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
 Chief Executive Officer

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount | (A) or (D) | Price |
| Common Stock | 10/26/2006 | | M | | 31,578 | A | (\$) |
| Common Stock | 10/26/2006 | | F | | 11,289 | D | \$ 28.94 |

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

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SEC 1474 (9-02)

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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 Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Restricted Stock Unit | (1) | 10/26/2006 | | M | 31,578 | (1)(2) (1)(2) | Common Stock | 31,578 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| ALTER ROBERT A 903 CALLE AMANECER SUITE 100 SAN CLEMENTE, CA 92011 | X | | Chief Executive Officer | |

Signatures

Robert A. Alter 10/26/2006

__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) On October 26, 2004, Mr. Alter was granted an aggregate amount of 210,526 restricted stock units, subject to the satisfaction of vesting requirements over a five-year period. Upon vesting, Sunstone Hotel Investors, Inc. will deliver one share of Common Stock for each vested restricted stock unit. Mr. Alter has only the rights of an unsecured creditor in the restricted stock units and no rights as a stockholder if Sunstone Hotel Investors, Inc. until the restricted stock units vest.

(2) On October 26, 2006, 31,578 restricted stock units vested and 11,289 shares of Common Stock were withheld to satisfy tax withholding obligations. The closing price on October 26, 2006 of Sunstone Hotel Investors, Inc. on the New York Stock Exchange was \$28.94.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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