

Kearns Mark  
Form 3  
October 08, 2010

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 * |         | 2. Date of Event Requiring Statement | 3. Issuer Name <b>and</b> Ticker or Trading Symbol                         |  |
| Â Kearns Mark                             |         | (Month/Day/Year)                     | AMERICAN TOWER CORP /MA/ [AMT]   |  |
| (Last)                                    | (First) | 09/30/2010                           | 4. Relationship of Reporting Person(s) to Issuer                           | 5. If Amendment, Date Original Filed(Month/Day/Year)                   |
| 116 HUNTINGTON AVENUE                     |         |                                      | (Check all applicable)   |  |
| (Street)                                  |         |                                      | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner       | 6. Individual or Joint/Group Filing(Check Applicable Line)             |
| BOSTON,Â MAÂ 02116                        |         |                                      | <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| (City)                                    | (State) | (Zip)                                | (give title below) (specify below)   | <input type="checkbox"/> Form filed by More than One Reporting Person  |
|   |         |                                      | VP Finance and Treasurer   |  |

**Table I - Non-Derivative Securities Beneficially Owned**

|                                 |   |  |   |
|---------------------------------|---|--|---|
| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|

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

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

|  |  |   |  |   |   |
|--|--|---|--|---|---|
| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|  | Date Exercisable      Expiration Date                    | Title      Amount or Number of Shares                                       |  |   |   |

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|   |       |            |                      |        |          |   |   |
|---|-------|------------|----------------------|--------|----------|---|---|
| Option to purchase Class A Common Stock | Â (1) | 06/01/2020 | Class A Common Stock | 13,667 | \$ 39.84 | D | Â |
| Restricted Stock Units                  | Â (2) | Â (2)      | Class A Common Stock | 4,707  | \$ (3)   | D | Â |

## Reporting Owners

| Reporting Owner Name / Address                           | Relationships |           |                            |       |
|--|---------------|-----------|----------------------------|-------|
|  | Director      | 10% Owner | Officer                    | Other |
| Kearns Mark<br>116 HUNTINGTON AVENUE<br>BOSTON, MA 02116 | Â             | Â         | Â VP Finance and Treasurer | Â     |

## Signatures

/s/Mneesha O. Nahata, as attorney-in-fact

10/08/2010

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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) This option was granted pursuant to the 2007 Equity Incentive Plan and is exercisable in 25% cumulative annual increments beginning June 1, 2011.
- (2) This Restricted Stock Unit (RSU) was granted pursuant to the 2007 Equity Incentive Plan and vests in 25% cumulative annual increments beginning June 1, 2011.
- (3) Each RSU represents a contingent right to receive one share of Class A Common Stock.

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.