UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT PURSUANT

TO SECTION 13 OR 15(d) OF THE

SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of Earliest Event Reported): January 22, 2007

AMERICAN TOWER CORPORATION

(Exact Name of Registrant as Specified in Charter)

Delaware (State or Other Jurisdiction 001-14195 (Commission 65-0723837 (IRS Employer

of Incorporation)

File Number)
116 Huntington Avenue

Identification No.)

Boston, Massachusetts 02116

(Address of Principal Executive Offices) (Zip Code)

(617) 375-7500

(Registrant s telephone number, including area code)

Not Applicable

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 Other Events.

On January 22, 2007, American Tower Corporation (the Company) issued a press release announcing the commencement of its cash tender offer for its 5.0% Convertible Notes due 2010. A copy of the press release is filed herewith as Exhibit 99.1 and is incorporated by reference herein.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No. Description

99.1 Press release, dated January 22, 2007.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

AMERICAN TOWER CORPORATION

(Registrant)

Date: January 22, 2007

By: /s/ Bradley E. Singer

Bradley E. Singer

Chief Financial Officer and Treasurer

EXHIBIT INDEX

Exhibit No.

Description Press release, dated January 22, 2007. 99.1