VULCAN MATERIALS CO
Reported by
CARROLL PHILIP J JR

FORM 4
(Statement of Changes in Beneficial Ownership)

Filed 12/17/10 for the Period Ending 12/15/10

Address 1200 URBAN CENTER DRIVE
          BIRMINGHAM, AL 35242
Telephone 2052983000
CIK 0001396009
Symbol VMC
Fiscal Year 12/31
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(f) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *
   CARROLL PHILIP J JR
   1200 URBAN CENTER DRIVE
   BIRMINGHAM, AL 35242

2. Issuer Name and Ticker or Trading Symbol
   Vulcan Materials CO [ VMC ]

5. Relationship of Reporting Person(s) to Issuer
   ___ X ___ Director
   ______ 10% Owner
   _____ Officer (give title below)
   _____ Other (specify below)

1. Title of Security (Instr. 3)
   2. Trans. Date
   3A. Deemed Execution Date, if any
   4. Securities Acquired (A) or Disposed of (D)
   5. Amount of Securities Beneficially Owned Following Reported Transaction(s)
   6. Ownership Code:
      Direct (D) or Indirect (I) (Instr. 4)
   7. Nature of Indirect Beneficial Ownership (Instr. 4)

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

<table>
<thead>
<tr>
<th>Code</th>
<th>A</th>
<th>1272.4500</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>(3)</td>
<td>Common Stock</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>V</th>
<th>20686.9580</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>(3)</td>
<td>Phantom Stock (Deferred Compensation)</td>
</tr>
</tbody>
</table>

Explanation of Responses:
(1) Convertible on a 1-for-1 basis.
(2) Director's fees credited to the reporting person's account in accordance with the Vulcan Materials Company Directors' Deferred Compensation Plan.
(3) The units are to be settled in Vulcan common stock commencing at the retirement of the reporting person.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARROLL PHILIP J JR</td>
<td>Director</td>
</tr>
<tr>
<td>1200 URBAN CENTER DRIVE</td>
<td>10% Owner</td>
</tr>
<tr>
<td>BIRMINGHAM, AL 35242</td>
<td>Other</td>
</tr>
</tbody>
</table>

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

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).


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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.