

CHICAGO BRIDGE & IRON CO N V  
Form 3  
September 27, 2007

**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 BAILEY BETH A                           |         | (Month/Day/Year)                     | CHICAGO BRIDGE & IRON CO N V [CBI]                                     |  |
| (Last)                                    | (First) | (Middle)                             | 4. Relationship of Reporting Person(s) to Issuer                       | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| 2103 RESEARCH FOREST DRIVE                |         |                                      | (Check all applicable)   |  |
| (Street)                                  |         |                                      | <input type="checkbox"/> Director                                      | <input type="checkbox"/> 10% Owner                   |
|   |         |                                      | <input checked="" type="checkbox"/> Officer                            | <input type="checkbox"/> Other                       |
|   |         |                                      | (give title below)   | (specify below)                                      |
| THE WOODLANDS,Â TXÂ 77380                 |         |                                      | EXECUTIVE VICE PRESIDENT   |  |
| (City)                                    | (State) | (Zip)                                | 6. Individual or Joint/Group Filing(Check Applicable Line)             |  |
|   |         |                                      | <input checked="" type="checkbox"/> Form filed by One Reporting Person |  |
|   |         |                                      | <input type="checkbox"/> Form filed by More than One Reporting Person  |  |

**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) |
|---------------------------------|---|--|---|
| Common Stock                    | 17,310.6617 <sup>(1)</sup>                            | D  | Â   |
| Common Stock                    | 515.0448  | I  | By 401(k) Plan  |

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 | 5. Ownership Form of Derivative | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|------------------------------------|---------------------------------|---|
|--|--|---|------------------------------------|---------------------------------|---|

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|                             | Date Exercisable | Expiration Date | Title        | Amount or Number of Shares | Derivative Security | Security: Direct (D) or Indirect (I) (Instr. 5) |   |
|-----------------------------|------------------|-----------------|--------------|----------------------------|---------------------|---|---|
| Stock Option (Right to Buy) | 05/15/2004       | 05/15/2010      | Common Stock | 2,100                      | \$ 4                | D   | Â |
| Stock Option (Right to Buy) | 12/28/2003       | 12/28/2010      | Common Stock | 33,812                     | \$ 4.1719           | D   | Â |
| Stock Option (Right to Buy) | 12/13/2005       | 12/13/2012      | Common Stock | 640                        | \$ 6.495            | D   | Â |
| Stock Option (Right to Buy) | Â (2)            | 02/21/2012      | Common Stock | 12,928                     | \$ 6.775            | D   | Â |
| Stock Option (Right to Buy) | Â (3)            | 02/13/2013      | Common Stock | 416                        | \$ 7.66             | D   | Â |
| Stock Option (Right to Buy) | 02/12/2007       | 02/12/2014      | Common Stock | 2,028                      | \$ 14.12            | D   | Â |
| Stock Option (Right to Buy) | Â (4)            | 03/09/2015      | Common Stock | 676                        | \$ 23.655           | D   | Â |
| Stock Option (Right to Buy) | Â (5)            | 02/21/2017      | Common Stock | 464                        | \$ 30.51            | D   | Â |
| Stock Option (Right to Buy) | Â (6)            | 02/28/2017      | Common Stock | 2,237                      | \$ 29.61            | D   | Â |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |         |                            |
|--|---------------|-----------|---------|----------------------------|
|  | Director      | 10% Owner | Officer | Other                      |
| BAILEY BETH A<br>2103 RESEARCH FOREST DRIVE<br>THE WOODLANDS, TX 77380 | Â             | Â         | Â       | EXECUTIVE VICE PRESIDENT Â |

## Signatures

Beth A. Bailey                      09/27/2007  
 \_\_Signature of                      Date  
 Reporting Person

## 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) Includes 679.6617 shares held in the ESPP and 100 shares owned jointly with spouse.
- (2) The option was granted on 02/21/2002 and vested on 02/21/2003, 02/21/2004, 02/21/2005 and 02/21/2006 in four equal installments.
- (3) The option to purchase 416 shares was granted on 02/13/2003. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.

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- (4) The option to purchase 676 shares was granted on 03/09/2005. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.
- (5) The option to purchase 464 shares was granted on 02/21/2007. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.
- (6) The option to purchase 2237 shares was granted on 02/28/2007. The option vests in 7 years but may vest in 3 years if the reporting person has held continuously for 3 years.

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.