FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| (Print or Ty | pe Response | s) | | | | | | | | | | | | | | | | | |
|--|-------------|---------------------------------|--|---|----------------------------------|---|----------------------------------|-------------|----------------------------|--|--|--------------------------------|--|---|--|--------------------------|--|--|-------------------------|
| 1. Name and Address of Reporting Person * STOLT JEFFREY | | | | 2. Issuer Name and Ticker or Trading Symbol Two Harbors Investment Corp. [TWO] | | | | | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner | | | | | | | | |
| (Last) (First) (Middle) TWO HARBORS INVESTMENT CORP., 601 CARLSON PARKWAY, SUITE 330 | | | | 3. Date of Earliest Transaction (Month/Day/Year) 06/01/2011 | | | | | | | X_Officer (give title below) Other (specify below) Vice President, CFO & Treasurer | | | | | | | | |
| (Street) | | | | 4. If Amendment, Date Original Filed(Month/Day/Year) | | | | | | | 6. Individual or Joint/Group Filing(Check Applicable Line) X_Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | | | | | |
| MINNETONKA, MN 55305 (City) (State) (Zip) | | | | 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 | | 3. Transac Code (Instr. 8) | | 4. Securities (A) or Dispe | | urities A | Acquired osed of (D) | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | | 6. Ownership Form: | 7. Nature of Indirect Beneficial | | |
| | | | | | | | Year) | | ode | V | Amou | (A) or (D) | | Price | (Instr. 3 | and 4) | | | Ownership (Instr. 4) |
| Common Stock, par value \$0.01 per share | | | 06/0 | 01/2011 | | | | Р | | | 5,000 | 5,000 A \$ 10.68 (1). | | | 18,500 | | D | | |
| | | | | Table II - | | | | | | the tred, E | tained form d Dispose | in this isplays d of, or | for s a c | m are curre eficia | not req ntly valid | d OMB cor | formation espond unles atrol number | s | 1474 (9-02 |
| 1 Ti41 f | 12 | 12 T | | 3A. Deemed | (0 / | puts, ca | alls, | warra 5. | ants, c | • | | | secu | | | 0 D.: | 9. Number of | 10. | 11 Notes |
| 1. Title of Derivative Security (Instr. 3) | | 3. Transaction Date (Month/Day) | | Execution Da any | | e, if Transaction Code (ear) (Instr. 8) | | | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | | Derivative Security (Instr. 5) | | Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Natur of Indirec Beneficia Ownershi (Instr. 4) | |
| | | | | | | Code | V | (A) | (D) | Date Exerc | | Expirat Date | tion | Title | Amount or Number of Shares | | | | |

Reporting Owners

| Denouting Oronov Name / Adduces | Relationships | | | | | | |
|---|---------------|-----------|--------------------------------|-------|--|--|--|
| Reporting Owner Name / Address | Director | 10% Owner | Officer | Other | | | |
| STOLT JEFFREY TWO HARBORS INVESTMENT CORP. 601 CARLSON PARKWAY, SUITE 330 MINNETONKA, MN 55305 | | | Vice President,CFO & Treasurer | | | | |

Signatures

| /s/ Jeffrey Stolt | 06/02/2011 |
|---------------------------------|------------|
| **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) Per share price reflects the weighted average price paid. The shares were purchased in multiple transactions at prices ranging from \$10.65 to \$10.71. The reporting person undertakes to provide, upon request, full information regarding the shares purchased in such transactions.

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.