

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

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

| OMB APPROVAL                                 |           |
|--|-----------|
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|  |   |  |
|--|---|--|
| 1. Name and Address of Reporting Person*<br><u>MURRAY HARRY M</u><br><br>(Last) (First) (Middle)<br><u>13001 HOLLENBERG DRIVE</u><br><br>(Street)<br><u>BRIDGETON MO 63044</u><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><u>CASS INFORMATION SYSTEMS INC [ CASS ]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>Director 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br><p style="text-align: center;"><b>EVP</b></p> |
|  | 3. Date of Earliest Transaction (Month/Day/Year)<br><u>12/09/2010</u>                       |  |
|  | 4. If Amendment, Date of Original Filed (Month/Day/Year)                                    | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br>Form filed by More than One Reporting Person  |

**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 any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |         | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|---------|---|--|---|
|                                 |                                      |  | Code                           | V | Amount  | (A) or (D) | Price   |   |  |   |
| Common Stock                    | 12/09/2010                           |  | M                              |   | 3,473   | A          | \$28.41 | 37,854 <sup>(2)</sup>   | D  |   |
| Common Stock                    | 12/09/2010                           |  | D                              |   | 2,500   | D          | \$37.47 | 35,354 <sup>(2)</sup>   | D  |   |
| Common Stock                    | 12/09/2010                           |  | F                              |   | 315   | D          | \$39.47 | 35,039 <sup>(2)</sup>   | D  |   |
| Common Stock                    | 12/09/2010                           |  | S                              |   | 1,200   | D          | \$39.36 | 33,839 <sup>(2)</sup>   | D  |   |

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

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |       | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |       |
|--|--|--------------------------------------|--|--------------------------------|---|--|-------|--|-----------------|---|--|--|---|--|-------|
|  |  |                                      |  | Code                           | V | (A)  | (D)   | Date Exercisable   | Expiration Date |   |  |  |   |  | Title |
| Stock Appreciation Rights                  | \$28.41  | 12/09/2010                           |  | M                              |   |  | 3,473 | 01/22/2009 <sup>(1)</sup>                                | 01/22/2018      | Common Stock  | 3,473                                      | \$0  | 6,948   | D  |       |
| Stock Appreciation Rights                  | \$25.77  |                                      |  |                                |   |  |       | 01/20/2010 <sup>(1)</sup>                                | 01/20/2019      | Common Stock  | 8,294                                      |  | 8,294   | D  |       |
| Employee Stock Option (right to buy)       | \$14.445   |                                      |  |                                |   |  |       | 01/03/2010   | 01/02/2012      | Common Stock  | 125  |  | 125   | D  |       |
| Employee Stock Option (right to buy)       | \$20.666   |                                      |  |                                |   |  |       | 01/03/2010   | 01/02/2013      | Common Stock  | 680  |  | 680   | D  |       |
| Stock Appreciation Rights                  | \$30.16  |                                      |  |                                |   |  |       | 01/26/2011 <sup>(1)</sup>                                | 01/26/2020      | Common Stock  | 2,062                                      |  | 2,062   | D  |       |

**Explanation of Responses:**

- Over a three-year vesting period, SARs become exercisable in one-third increments on the anniversary date of the grant.
- Includes restricted stock subject to vesting and forfeiture.

/s/ Harry M. Murray

12/10/2010

\*\* Signature of Reporting Person

Date

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).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

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 Number.