

Webb David
Form 4
April 28, 2005

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
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, 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 *
Webb David

2. Issuer Name and Ticker or Trading Symbol
SILICON VALLEY BANCSHARES [SIVB]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
3003 TASMAN DRIVE

(Street)

3. Date of Earliest Transaction (Month/Day/Year)
04/26/2005

____ Director _____ 10% Owner
 Officer (give title below) Other (specify below)
Chief Information Officer / Chief Information Officer

SANTA CLARA, CA 95054

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(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 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 Ownership (Instr. 4) | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|-------|
| | | | | (A) or (D) | Price | | | |
| | | | | Code | V | Amount | (D) | Price |

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

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SEC 1474 (9-02)

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

| 1. Title of Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. Transaction of Derivative | 5. Number | 6. Date Exercisable and Expiration Date | 7. Title and Amount of Underlying Security |
|------------------------|---------------|--------------------------------------|-------------------------------|------------------------------|-----------|---|--|
|------------------------|---------------|--------------------------------------|-------------------------------|------------------------------|-----------|---|--|

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| Security (Instr. 3) | or Exercise Price of Derivative Security | any (Month/Day/Year) | Code (Instr. 8) | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Month/Day/Year) | (Instr. 3 and 4) | | | | |
|---|--|----------------------|-----------------|---|------------------|------------------|---------------------------|-----------------|--------------|----------------------------|
| | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Incentive Stock Option (right to buy) | \$ 46.31 | 04/26/2005 | A | | 2,159 | | 04/26/2006 ⁽¹⁾ | 04/26/2012 | Common Stock | 2,159 |
| Non-Qualified Stock Option (right to buy) | \$ 46.31 | 04/26/2005 | A | | 7,841 | | 04/26/2006 ⁽¹⁾ | 04/26/2012 | Common Stock | 7,841 |
| Restricted Stock Unit | \$ 0 | 04/26/2005 | A | | 5,250 | | 12/01/2006 ⁽²⁾ | 12/01/2007 | Common Stock | 5,250 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|---------------------------|---------------------------|
| | Director | 10% Owner | Officer | Other |
| Webb David 3003 TASMAN DRIVE SANTA CLARA, CA 95054 | | | Chief Information Officer | Chief Information Officer |

Signatures

By: Lisa Bertolet as attorney in fact For: David C. Webb
04/28/2005

__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) Stock options were granted to the reporting person. Vesting will occur annually from the date of grant over 4 years with 25% vesting each year.
The reporting person was granted restricted stock units (RSUs) which are subject to performance-based vesting. The RSUs are effective as of 4/26/05, and will vest on 12/1/06, based on the level of return on average equity (ROE) achieved by the Company at December 31, 2005 as follows: (i) if less than 90% of target, nonewill vest; (ii) if 90% but less than 100% of target 1,750 will vest; (iii) if 100% but less than 110% of target 3,500 will vest; and (iv) if 110% or greater of target 5,250 will vest. Vesting is subject to adjustment by the Compensation Committee as approved to take into account extraordinary items that may impact the calculation of ROE.

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.