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

## FORM 10-Q

® QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the quarterly period ended June 30, 2019
$\square \quad$ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the transition period from $\qquad$ to $\qquad$
Commission File Number 001-35272

## MIDLAND STATES BANCORP, INC.

(Exact name of registrant as specified in its charter)

Illinois
(State of other jurisdiction of incorporation or organization)

1201 Network Centre Drive
Effingham, IL
(Address of principal executive offices)

37-1233196
(I.R.S. Employer Identification No.)

(Zip Code)
(217) 342-7321
(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

| Title of each class |
| :---: |
| Common stock, $\$ 0.01$ par value |$\quad \frac{\text { Trading symbol(s) }}{\text { MSBI }} \quad$ Name of each exchange on which registered

Nasdaq Global Select Market

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. $\begin{aligned} \\ \text { Yes }\end{aligned}$ No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T ( $\$ 232.405$ of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). | Yes $\quad$ No |
| :--- |

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.
Large accelerated filer $\boxtimes \quad$ Accelerated filer $\square \quad$ Non-accelerated filer $\square$
Emerging growth company $\square \quad$ Smaller reporting company $\square$
If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying
with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. $\square$
Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). $\square$ Yes $\boxtimes$ No

As of July 31, 2019, the Registrant had $24,363,400$ shares of outstanding common stock, $\$ 0.01$ par value.

## MIDLAND STATES BANCORP, INC.

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## PART I - FINANCIAL INFORMATION

## ITEM 1 - FINANCIAL STATEMENTS

## MIDLAND STATES BANCORP, INC.

## CONSOLIDATED BALANCE SHEETS

(dollars in thousands, except per share data)

|  | June 30, 2019 |  | $\begin{gathered} \text { December 31, } \\ 2018 \\ \hline \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | (unaudited) |  |  |  |
| Assets |  |  |  |  |
| Cash and due from banks | \$ | 244,239 | \$ | 210,780 |
| Federal funds sold |  | 1,176 |  | 2,920 |
| Cash and cash equivalents |  | 245,415 |  | 213,700 |
| Investment securities available for sale, at fair value |  | 609,657 |  | 657,451 |
| Equity securities, at fair value |  | 3,369 |  | 3,334 |
| Loans |  | 4,073,527 |  | 4,137,551 |
| Allowance for loan losses |  | $(25,925)$ |  | $(20,903)$ |
| Total loans, net |  | 4,047,602 |  | 4,116,648 |
| Loans held for sale, at fair value |  | 22,143 |  | 30,401 |
| Premises and equipment, net |  | 94,824 |  | 94,840 |
| Operating lease right-of-use asset |  | 10,226 |  | - |
| Other real estate owned |  | 3,797 |  | 3,483 |
| Nonmarketable equity securities |  | 43,175 |  | 42,472 |
| Accrued interest receivable |  | 15,509 |  | 16,560 |
| Mortgage servicing rights, at lower of cost or fair value |  | 54,191 |  | 53,447 |
| Mortgage servicing rights held for sale |  | 159 |  | 3,545 |
| Intangible assets |  | 33,893 |  | 37,376 |
| Goodwill |  | 164,673 |  | 164,673 |
| Cash surrender value of life insurance policies |  | 140,593 |  | 138,783 |
| Accrued income taxes receivable |  | 2,032 |  | 8,809 |
| Deferred tax assets, net |  | - |  | 1,251 |
| Other assets |  | 54,797 |  | 50,900 |
| Total assets | \$ | 5,546,055 | \$ | 5,637,673 |
| Liabilities and Shareholders' Equity |  |  |  |  |
| Liabilities: |  |  |  |  |
| Deposits: |  |  |  |  |
| Noninterest-bearing | \$ | 902,286 | \$ | 972,164 |
| Interest-bearing |  | 3,108,921 |  | 3,102,006 |
| Total deposits |  | 4,011,207 |  | 4,074,170 |
| Short-term borrowings |  | 113,844 |  | 124,235 |
| FHLB advances and other borrowings |  | 582,387 |  | 640,631 |
| Subordinated debt |  | 94,215 |  | 94,134 |
| Trust preferred debentures |  | 48,041 |  | 47,794 |
| Accrued interest payable |  | 5,455 |  | 4,855 |
| Deferred tax liabilities, net |  | 3,869 |  | - |
| Operating lease liabilities |  | 10,719 |  | - |
| Other liabilities |  | 36,430 |  | 43,329 |
| Total liabilities |  | 4,906,167 |  | 5,029,148 |
|  |  |  |  |  |
| Shareholders' Equity: |  |  |  |  |
| Preferred stock, Series H, \$2 par value; \$1,000 per share liquidation value; 2,636 shares authorized, issued and outstanding at June 30, 2019 and December 31, 2018 |  | 2,684 |  | 2,781 |
| Common stock, $\$ 0.01$ par value; $40,000,000$ shares authorized; $23,897,038$ and $23,751,798$ shares issued and outstanding at June 30, 2019 and December 31, 2018, respectively |  | 239 |  | 238 |
| Capital surplus |  | 477,412 |  | 473,833 |
| Retained earnings |  | 152,387 |  | 133,781 |
| Accumulated other comprehensive income (loss) |  | 7,166 |  | $(2,108)$ |
| Total shareholders' equity |  | 639,888 |  | 608,525 |
| Total liabilities and shareholders' equity | \$ | 5,546,055 | \$ | 5,637,673 |

The accompanying notes are an integral part of the consolidated financial statements.

## MIDLAND STATES BANCORP, INC.

## CONSOLIDATED STATEMENTS OF INCOME-(UNAUDITED)

(dollars in thousands, except per share data)

|  | Three Months Ended June 30, |  |  |  | Six Months EndedJune 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  | 2018 |  | 2019 |  | 2018 |  |
| Interest income: |  |  |  |  |  |  |  |  |
| Loans: |  |  |  |  |  |  |  |  |
| Taxable | \$ | 53,021 | \$ | 50,699 | \$ | 104,903 | \$ | 91,730 |
| Tax exempt |  | 918 |  | 802 |  | 1,892 |  | 1,269 |
| Loans held for sale |  | 451 |  | 295 |  | 750 |  | 723 |
| Investment securities: |  |  |  |  |  |  |  |  |
| Taxable |  | 3,606 |  | 3,756 |  | 7,289 |  | 6,399 |
| Tax exempt |  | 1,061 |  | 1,235 |  | 2,127 |  | 2,251 |
| Nonmarketable equity securities |  | 597 |  | 482 |  | 1,218 |  | 881 |
| Federal funds sold and cash investments |  | 982 |  | 1,014 |  | 1,889 |  | 1,535 |
| Total interest income |  | 60,636 |  | 58,283 |  | 120,068 |  | 104,788 |
| Interest expense: |  |  |  |  |  |  |  |  |
| Deposits |  | 8,437 |  | 5,005 |  | 15,800 |  | 9,122 |
| Short-term borrowings |  | 210 |  | 116 |  | 447 |  | 240 |
| FHLB advances and other borrowings |  | 3,541 |  | 2,582 |  | 7,388 |  | 4,453 |
| Subordinated debt |  | 1,514 |  | 1,514 |  | 3,028 |  | 3,028 |
| Trust preferred debentures |  | 857 |  | 780 |  | 1,727 |  | 1,474 |
| Total interest expense |  | 14,559 |  | 9,997 |  | 28,390 |  | 18,317 |
| Net interest income |  | 46,077 |  | 48,286 |  | 91,678 |  | 86,471 |
| Provision for loan losses |  | 4,076 |  | 1,854 |  | 7,319 |  | 3,860 |
| Net interest income after provision for loan losses |  | 42,001 |  | 46,432 |  | 84,359 |  | 82,611 |
| Noninterest income: |  |  |  |  |  |  |  |  |
| Wealth management revenue |  | 5,504 |  | 5,316 |  | 10,457 |  | 9,395 |
| Commercial FHA revenue |  | 4,917 |  | 326 |  | 8,187 |  | 3,656 |
| Residential mortgage banking revenue |  | 611 |  | 2,116 |  | 1,445 |  | 3,534 |
| Service charges on deposit accounts |  | 2,639 |  | 2,693 |  | 5,159 |  | 4,660 |
| Interchange revenue |  | 3,010 |  | 2,929 |  | 5,690 |  | 4,974 |
| Gain (loss) on sales of investment securities, net |  | 14 |  | (70) |  | 14 |  | (5) |
| (Loss) gain on sales of other real estate owned |  | (12) |  | 166 |  | 54 |  | 473 |
| Other income |  | 2,904 |  | 2,371 |  | 5,656 |  | 5,662 |
| Total noninterest income |  | 19,587 |  | 15,847 |  | 36,662 |  | 32,349 |
| Noninterest expense: |  |  |  |  |  |  |  |  |
| Salaries and employee benefits |  | 21,134 |  | 23,467 |  | 43,173 |  | 51,862 |
| Occupancy and equipment |  | 4,500 |  | 4,708 |  | 9,332 |  | 8,960 |
| Data processing |  | 4,987 |  | 5,106 |  | 9,878 |  | 9,585 |
| FDIC insurance |  | 367 |  | 539 |  | 802 |  | 1,087 |
| Professional |  | 2,410 |  | 3,195 |  | 4,483 |  | 6,944 |
| Marketing |  | 1,118 |  | 1,411 |  | 2,352 |  | 2,617 |
| Communications |  | 677 |  | 741 |  | 1,348 |  | 2,317 |
| Loan expense |  | 616 |  | 552 |  | 976 |  | 1,076 |
| Other real estate owned |  | 101 |  | 166 |  | 194 |  | 256 |
| Amortization of intangible assets |  | 1,673 |  | 1,576 |  | 3,483 |  | 3,251 |
| (Gain) loss on mortgage servicing rights held for sale |  | (515) |  | 188 |  | (515) |  | 188 |
| Other expense |  | 3,126 |  | 4,803 |  | 5,785 |  | 7,808 |
| Total noninterest expense |  | 40,194 |  | 46,452 |  | 81,291 |  | 95,951 |
| Income before income taxes |  | 21,394 |  | 15,827 |  | 39,730 |  | 19,009 |
| Income taxes |  | 5,039 |  | 3,045 |  | 9,393 |  | 4,421 |
| Net income |  | 16,355 |  | 12,782 |  | 30,337 |  | 14,588 |
| Preferred stock dividends and premium amortization |  | 34 |  | 36 |  | 68 |  | 72 |
| Net income available to common shareholders | \$ | 16,321 | \$ | 12,746 | \$ | 30,269 | \$ | 14,516 |
| Per common share data: |  |  |  |  |  |  |  |  |
| Basic earnings per common share | \$ | 0.67 | \$ | 0.53 | \$ | 1.25 | \$ | 0.64 |
| Diluted earnings per common share | \$ | 0.67 | \$ | 0.52 | \$ | 1.24 | \$ | 0.63 |
| Weighted average common shares outstanding |  | 181,777 |  | 815,436 |  | ,040,032 |  | 365,927 |
| Weighted average diluted common shares outstanding |  | 303,211 |  | 268,111 |  | ,254,612 |  | ,817,472 |

The accompanying notes are an integral part of the consolidated financial statements.

## MIDLAND STATES BANCORP, INC.

## CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME-(UNAUDITED)



The accompanying notes are an integral part of the consolidated financial statements.

## MIDLAND STATES BANCORP, INC.

## CONSOLIDATED STATEMENTS OF SHAREHOLDERS' EQUITY-(UNAUDITED)

(dollars in thousands, except per share data)

|  | $\begin{aligned} & \text { Preferred } \\ & \text { stock } \end{aligned}$ |  | Commonstock |  | Capital surplus | Retained earnings | ```Accumulated other comprehensive income (loss)``` |  | Total shareholders equity |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| For the three months ended June 30, 2019: |  |  |  |  |  |  |  |  |  |  |
| Balances, March 31, 2019 | \$ | 2,733 | \$ | 238 | \$475,811 | \$141,906 | \$ | 3,480 | \$ | 624,168 |
| Net income |  | - |  | - | - | 16,355 |  | - |  | 16,355 |
| Other comprehensive income |  | - |  | - | - | - |  | 3,686 |  | 3,686 |
| Common dividends declared (\$0.2425 per share) |  | - |  | - | - | $(5,840)$ |  | - |  | $(5,840)$ |
| Preferred dividends declared |  | - |  | - | - | (83) |  | - |  | (83) |
| Preferred stock, premium amortization |  | (49) |  | - | - | 49 |  | - |  | - |
| Share-based compensation expense |  | - |  | - | 493 | - |  | - |  | 493 |
| Issuance of common stock under employee benefit plans |  | - |  | 1 | 1,108 | - |  | - |  | 1,109 |
| Balances, June 30, 2019 | \$ | 2,684 | \$ | 239 | \$477,412 | \$152,387 | \$ | 7,166 | \$ | 639,888 |
|  |  |  |  |  |  |  |  |  |  |  |
| For the six months ended June 30, 2019: |  |  |  |  |  |  |  |  |  |  |
| Balances, December 31, 2018 | \$ | 2,781 | \$ | 238 | \$473,833 | \$133,781 | \$ | $(2,108)$ | \$ | 608,525 |
| Net income |  | - |  | - | - | 30,337 |  | - |  | 30,337 |
| Other comprehensive income |  | - |  | - | - | - |  | 9,274 |  | 9,274 |
| Common dividends declared (\$0.4850 per share) |  | - |  | - | - | $(11,663)$ |  | - |  | $(11,663)$ |
| Preferred dividends declared |  | - |  | - | - | (165) |  | - |  | (165) |
| Preferred stock, premium amortization |  | (97) |  | - | - | 97 |  | - |  | - |
| Share-based compensation expense |  | - |  | - | 1,339 | - |  | - |  | 1,339 |
| Issuance of common stock under employee benefit plans |  | - |  | 1 | 2,240 | - |  | - |  | 2,241 |
| Balances, June 30, 2019 | \$ | 2,684 | \$ | 239 | \$477,412 | \$152,387 | \$ | 7,166 | \$ | 639,888 |
|  |  |  |  |  |  |  |  |  |  |  |
| For the three months ended June 30, 2018: |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Balances, March 31, 2018 | \$ | 2,923 | \$ | 236 | \$470,937 | \$112,009 | \$ | (720) | \$ | 585,385 |
| Net income |  | - |  | - | - | 12,782 |  | - |  | 12,782 |
| Other comprehensive loss |  | - |  | - | - | - |  | $(1,587)$ |  | $(1,587)$ |
| Common dividends declared (\$0.22 per share) |  | - |  | - | - | $(5,233)$ |  | - |  | $(5,233)$ |
| Preferred dividends declared |  | - |  | - | - | (83) |  | - |  | (83) |
| Preferred stock, premium amortization |  | (47) |  | - | - | 47 |  | - |  |  |
| Share-based compensation expense |  | - |  | - | 398 | - |  | - |  | 398 |
| Issuance of common stock under employee benefit plans |  | - |  | 1 | 872 | - |  | - |  | 873 |
| Balances, June 30, 2018 | \$ | 2,876 | \$ | 237 | \$472,207 | \$119,522 | \$ | $(2,307)$ | \$ | 592,535 |
|  |  |  |  |  |  |  |  |  |  |  |
| For the six months ended June 30, 2018: |  |  |  |  |  |  |  |  |  |  |
| Balances, December 31, 2017 | \$ | 2,970 | \$ | 191 | \$330,148 | \$114,478 | \$ | 1,758 | \$ | 449,545 |
| Net income |  | - |  | - | - | 14,588 |  | - |  | 14,588 |
| Other comprehensive loss |  | - |  | - | - | - |  | $(4,065)$ |  | $(4,065)$ |
| Common dividends declared (\$0.44 per share) |  | - |  | - | - | $(9,472)$ |  | - |  | $(9,472)$ |
| Preferred dividends declared |  | - |  | - | - | (166) |  | - |  | (166) |
| Preferred stock, premium amortization |  | (94) |  | - | - | 94 |  | - |  | - |
| Share-based compensation expense |  | - |  | - | 831 | - |  | - |  | 831 |
| Acquisition of Alpine Bancorporation, Inc. |  | - |  | 45 | 139,876 | - |  | - |  | 139,921 |
| Issuance of common stock under employee benefit plans |  | - |  | 1 | 1,352 | - |  | - |  | 1,353 |
| Balances, June 30, 2018 | \$ | 2,876 | \$ | 237 | \$472,207 | \$119,522 | \$ | $(2,307)$ | \$ | 592,535 |

The accompanying notes are an integral part of the consolidated financial statements.

## MIDLAND STATES BANCORP, INC.

## CONSOLIDATED STATEMENTS OF CASH FLOWS-(UNAUDITED)



The accompanying notes are an integral part of the consolidated financial statements

## MIDLAND STATES BANCORP, INC.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS-(UNAUDITED)

## Note 1 - Business Description

Midland States Bancorp, Inc. (the "Company," "we," "our," or "us") is a diversified financial holding company headquartered in Effingham, Illinois. Its wholly owned banking subsidiary, Midland States Bank (the "Bank"), has branches across Illinois and in Missouri, and provides a full range of commercial and consumer banking products and services, business equipment finance, merchant credit card services, trust and investment management, and insurance and financial planning services. In addition, multifamily and healthcare facility Federal Housing Administration ("FHA") financing is provided through Love Funding Corporation ("Love Funding"), our non-bank subsidiary.

Our principal business activity has been lending to and accepting deposits from individuals, businesses, municipalities and other entities. We have derived income principally from interest charged on loans and, to a lesser extent, from interest and dividends earned on investment securities. We have also derived income from noninterest sources, such as: fees received in connection with various lending and deposit services; wealth management services; residential mortgage loan originations, sales and servicing; and, from time to time, gains on sales of assets. Our income sources also include Love Funding's commercial FHA loan origination and servicing income. Our principal expenses include interest expense on deposits and borrowings, operating expenses, such as salaries and employee benefits, occupancy and equipment expenses, data processing costs, professional fees and other noninterest expenses, provisions for loan losses and income tax expense.

## Note 2 - Basis of Presentation and Summary of Significant Accounting Policies

## Basis of Presentation

The consolidated financial statements of the Company are unaudited and should be read in conjunction with the consolidated financial statements and related notes contained in the Company's Annual Report on Form 10-K for the year ended December 31, 2018, filed with the Securities and Exchange Commission (the "SEC") on February 28, 2019. The consolidated financial statements have been prepared in accordance with the accounting principles generally accepted in the United States of America ("GAAP") and conform to predominant practices within the banking industry. A discussion of these policies can be found in Note 1 - Summary of Significant Accounting Policies included in the Company's 2018 Annual Report on Form 10-K. There has been one change to our significant accounting policies since December 31, 2018, which is described below. Management of the Company has made a number of estimates and assumptions related to the reporting of assets and liabilities to prepare the consolidated financial statements in conformity with GAAP. Actual results may differ from those estimates. In the opinion of management, all adjustments, consisting of normal recurring accruals considered necessary for a fair presentation of the results of operations for the interim periods presented herein, have been included. Certain reclassifications of 2018 amounts have been made to conform to the 2019 presentation. Management has evaluated subsequent events for potential recognition or disclosure. Operating results for the three and six months ended June 30, 2019 are not necessarily indicative of the results that may be expected for the year ending December 31, 2019 or any other period.

## Principles of Consolidation

The consolidated financial statements include the accounts of the parent company and its subsidiaries. All significant intercompany accounts and transactions have been eliminated. Assets held for customers in a fiduciary or agency capacity, other than trust cash on deposit with the Bank, are not assets of the Company and, accordingly, are not included in the accompanying unaudited consolidated financial statements.

## Accounting Guidance Adopted in 2019

FASB ASU 2016-02, "Leases (Topic 842)" - In February 2016, the FASB issued ASU No. 2016-02, "Leases (Topic 842)," which requires lessees to recognize leases on-balance sheet and to disclose key information about leasing arrangements. Topic 842 was subsequently amended by ASU No. 2018-10, "Codification Improvements to Topic 842, Leases;" and ASU No. 2018-11, "Targeted Improvements." The new standard established a right-of-use ("ROU") model, that requires a lessee to recognize ROU assets and lease liabilities on the balance sheet for all leases with a term longer than 12 months. Under the new guidance, leases are classified as either finance or operating, with classification
affecting the pattern and classification of expense recognition in the statement of income. The Company adopted the new standard on January 1, 2019, and used the effective date as our date of initial application.

A modified retrospective adoption approach is required, applying the new standard to all existing leases in effect at the adoption date and new leases going forward. Consequently, financial information will not be updated and the disclosures required under the new standard will not be provided for dates and periods prior to January 1,2019. This update also allows lessors to not separate non-lease components from the associated lease component if certain conditions are met. The Company elected the "package of practical expedients" permitted by ASU 2018-11, which allows us not to reassess under the new standard our prior conclusions about lease identification, lease classification and initial direct costs.

The new standard also provides practical expedients for ongoing accounting. The Company elected the short-term lease recognition exemption for our office equipment leases. This means, for those leases that qualify, we did recognize ROU assets or lease liabilities, and this includes not recognizing ROU assets or lease liabilities for existing short-term leases of those assets in transition.

At the adoption date, the Company reported increased assets and liabilities of approximately $\$ 12.1$ million on its consolidated balance sheet as a result of recognizing ROU assets and lease liabilities related to non-cancelable operating lease agreements for office space. The adoption of this guidance did not have a material effect to its consolidated statement of income.

## Accounting Guidance Issued But Not Yet Adopted

FASB ASU 2016-13, "Financial Instruments - Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments" - In June 2016, the FASB issued ASU No. 2016-13, "Financial Instruments - Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments ("CECL")." The objective of this update is to improve financial reporting by providing timelier recording of credit losses on loans and other financial instruments held by financial institutions and other organizations. The ASU requires an organization to measure all expected credit losses for financial assets held at the reporting date based on historical experience, current conditions, and reasonable and supportable forecasts. Financial institutions and other organizations will use forward-looking information to better understand their credit loss estimates. For public companies that are filers with the SEC, this update is effective for fiscal years, and interim periods within those fiscal years, beginning after December 15,2019 . As previously disclosed, the Company has established a crossfunctional governance structure, which oversees overall strategy for implementation of Topic 326. Additionally, a working group was formed and has developed a project plan focused on understanding the ASU, researching issues, data requirements, technology solutions and future state processes. The project plan is targeting the model validation completion by a third party during the third quarter of 2019, with parallel processing of our existing allowance for loan loss model with CECL prior to implementation during the third and fourth quarters of 2019. The working group has identified 12 distinct loan portfolios for which a model has been developed and internally validated. The Company continues to focus on researching and resolving interpretive accounting issues in the ASU, contemplating various related accounting policies, developing processes and related controls and considering various reporting disclosures. The Company also continues to believe that the adoption of the standard will result in an overall increase in the allowance for loan losses to cover credit losses over the estimated life of the financial assets. However, the magnitude of the increase in its allowance for loan losses at the adoption date will depend upon the nature and characteristics of the portfolio at the adoption date, as well as macroeconomic conditions and forecasts at that time.

FASB ASU No. 2018-13, "Fair Value Measurement (Topic 820): Disclosure Framework - Changes to the Disclosure Requirements for Fair Value Measurement" - In August 2018, the FASB issued ASU No. 2018-13 to improve the disclosure requirements on fair value measurements. The amendment removes certain disclosures required by Topic 820 related to transfers between Level 1 and Level 2 of the fair value hierarchy; the policy for timing of transfers between levels; the valuation processes for Level 3 fair value measurements. The update also adds certain disclosure requirements related to changes in unrealized gains and losses for the period included in other comprehensive income for recurring Level 3 fair value measurements held at the end of the reporting period and the range and weighted average of significant unobservable inputs used to develop Level 3 fair value measurements. For certain unobservable inputs, an entity may disclose other quantitative information in lieu of the weighted average if the entity determines that other quantitative information would be a more reasonable and rational method to reflect the distribution of unobservable inputs used to develop Level 3 fair value measurements. The amendments in this update become effective for fiscal years, and interim periods within those fiscal years, beginning after December 15,2019, with early adoption
permitted. The Company is currently evaluating the impact of adopting the new guidance on its consolidated financial statements, but it is not expected to have a material impact.

## Note 3 -Acquisitions

## Alpine Bancorporation, Inc.

On February 28, 2018, the Company completed its acquisition of Alpine Bancorporation, Inc. ("Alpine") and its banking subsidiary, Alpine Bank \& Trust Co. ("Alpine Bank"), which operated 19 locations in northern Illinois. In the aggregate, the Company acquired Alpine for consideration valued at approximately $\$ 173.2$ million, which consisted of approximately $\$ 33.3$ million in cash and the issuance of $4,463,200$ shares of the Company's common stock. The acquisition was accounted for under the acquisition method of accounting. Accordingly, the Company recognized amounts for identifiable assets acquired and liabilities assumed at their estimated acquisition date fair values, while $\$ 22.4$ million of transaction and integration costs associated with the acquisition were expensed as incurred. As of February 28, 2019, the Company finalized its valuation of all assets acquired liabilities assumed in its acquisition of Alpine, resulting in no material change to acquisition accounting adjustments.

## Note 4 - Investment Securities

Investment securities as of June 30,2019 and December 31, 2018 were as follows:

| (dollars in thousands) | June 30, 2019 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Amortizedcost |  | Grossunrealizedgains |  | Grossunrealizedlosses |  | Fair value |  |
| Available for sale securities |  |  |  |  |  |  |  |  |
| Government sponsored entity debt securities | \$ | 74,286 | \$ | 589 | \$ | - | \$ | 74,875 |
| Agency mortgage-backed securities |  | 294,432 |  | 3,126 |  | 196 |  | 297,362 |
| State and municipal securities |  | 138,181 |  | 5,559 |  | 11 |  | 143,729 |
| Corporate securities |  | 92,874 |  | 1,251 |  | 434 |  | 93,691 |
| Total available for sale securities | \$ | 599,773 | \$ | 10,525 | \$ | 641 | \$ | 609,657 |
| Equity securities |  |  |  |  |  |  | \$ | 3,369 |



Unrealized losses and fair values for investment securities available for sale as of June 30, 2019 and December 31, 2018, aggregated by investment category and length of time that individual securities have been in a continuous unrealized loss position, are summarized as follows:

| (dollars in thousands) | June 30, 2019 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Less than 12 Months |  |  |  | 12 Months or more |  |  |  | Total |  |  |  |
|  | Fair value |  | $\begin{gathered} \hline \text { Unrealized } \\ \text { loss } \\ \hline \end{gathered}$ |  | Fair value |  | Unrealizedloss |  | Fair value |  | Unrealizedloss |  |
| Available for sale securities |  |  |  |  |  |  |  |  |  |  |  |  |
| Government sponsored entity debt securities | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - | \$ | - |
| Agency mortgage-backed securities |  | 25,257 |  | 30 |  | 40,366 |  | 166 |  | 65,623 |  | 196 |
| State and municipal securities |  | 836 |  | 4 |  | 3,348 |  | 7 |  | 4,184 |  | 11 |
| Corporate securities |  | 18,053 |  | 287 |  | 6,390 |  | 147 |  | 24,443 |  | 434 |
| Total available for sale securities | \$ | 44,146 | \$ | 321 | \$ | 50,104 | \$ | 320 | \$ | 94,250 | \$ | 641 |


| (dollars in thousands) | December 31, 2018 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Less than 12 Months |  |  |  | 12 Months or more |  |  |  | Total |  |  |  |
|  | Fair value |  | $\begin{gathered} \hline \text { Unrealized } \\ \text { loss } \\ \hline \end{gathered}$ |  | Fair value |  | Unrealizedloss |  | Fair value |  | Unrealized loss |  |
| Available for sale securities |  |  |  |  |  |  |  |  |  |  |  |  |
| U.S. Treasury securities | \$ | 5,012 | \$ | 1 | \$ | 19,638 | \$ | 367 | \$ | 24,650 | \$ | 368 |
| Government sponsored entity debt securities |  | 51,717 |  | 195 |  | 23,223 |  | 692 |  | 74,940 |  | 887 |
| Agency mortgage-backed securities |  | 139,115 |  | 528 |  | 126,561 |  | 3,228 |  | 265,676 |  | 3,756 |
| State and municipal securities |  | 15,791 |  | 146 |  | 27,692 |  | 669 |  | 43,483 |  | 815 |
| Corporate securities |  | 32,616 |  | 575 |  | 8,535 |  | 560 |  | 41,151 |  | 1,135 |
| Total available for sale securities | \$ | 244,251 | \$ | 1,445 | \$ | 205,649 | \$ | 5,516 |  | 449,900 | \$ | 6,961 |

For all of the above investment securities, the unrealized losses are generally due to changes in interest rates and unrealized losses are considered to be temporary as the fair value is expected to recover as the securities approach maturity date.

We evaluate securities for other-than-temporary impairment ("OTTI") on a quarterly basis, at a minimum, and more frequently when economic or market concerns warrant such evaluation. In estimating OTTI losses, we consider the severity and duration of the impairment; the financial condition and near-term prospects of the issuer, which for debt securities considers external credit ratings and recent downgrades; and the intent and ability of the Company to hold the security for a period of time sufficient for a recovery in value.

At June 30, 2019, 51 investment securities available for sale had unrealized losses with aggregate depreciation of $0.68 \%$ from their amortized cost basis. The unrealized losses relate principally to the fluctuations in the current interest rate environment. In analyzing an issuer's financial condition, we consider whether the securities are issued by the federal government or its agencies and whether downgrades by bond rating agencies have occurred. The Company does not have the intent to sell and it is not more likely than not that it will be required to sell a security in an unrealized loss position prior to recovery in value; therefore, the Company does not consider these securities to be other than temporarily impaired at June 30, 2019.

For the three and six months ended June 30, 2019 and 2018, the Company did not recognize OTTI losses on its investment securities.

The following is a summary of the amortized cost and fair value of the available-for-sale investment securities, by maturity, at June 30, 2019. Expected maturities may differ from contractual maturities in mortgage-backed securities because the mortgages underlying the securities may be prepaid without penalties. The maturities of all other available-for-sale investment securities are based on final contractual maturity.

| (dollars in thousands) | Amortized cost |  | Fair value |  |
| :---: | :---: | :---: | :---: | :---: |
| Available for sale securities |  |  |  |  |
| Within one year | \$ | 47,428 | \$ | 47,545 |
| After one year through five years |  | 79,332 |  | 81,206 |
| After five years through ten years |  | 152,041 |  | 155,775 |
| After ten years |  | 26,540 |  | 27,769 |
| Mortgage-backed securities |  | 294,432 |  | 297,362 |
| Total available for sale securities | \$ | 599,773 | \$ | 609,657 |

Proceeds from the sale of securities available for sale were $\$ 28.5$ million for both the three and six months ended June 30, 2019. Gross realized gains and gross realized losses from the sale of securities available for sale were $\$ 126,000$ and $\$ 190,000$, respectively, for both the three and six months ended June 30, 2019.

Proceeds from the sale of securities available for sale were $\$ 15.3$ million and $\$ 16.9$ million for the three and six months ended June 30, 2018, respectively. Gross realized gains from the sale of securities available for sale were $\$ 8,000$ and $\$ 73,000$ for the three and six months ended June 30,2018 , respectively. Gross realized losses from the sale of securities available for sale were $\$ 25,000$ for both the three and six months ended June 30, 2018.

Proceeds from the sale of equity securities were $\$ 105,000$ for the three and six months ended June $30,2019$.

Gross realized gains from the sale of equity securities were $\$ 78,000$ for the three and six months ended June 30,2019 . There were no gross realized losses from the sale of equity securities for the three and six months ended June 30, 2019. During the three and six months ended June 30, 2019, the Company recognized net unrealized losses of $\$ 30,000$ and net unrealized gains of $\$ 37,000$, respectively, on equity securities, which was recorded as other income in the consolidated statements of income.

Proceeds from the sale of equity securities were $\$ 7.7$ million for the three and six months ended June 30, 2018. Gross realized losses from the sale of equity securities were $\$ 53,000$ for the three and six months ended June 30,2018 . There were no gross realized gains from the sale of equity securities for the three and six months ended June 30, 2018. During the three and six months ended June 30, 2018, the Company recognized net unrealized losses of $\$ 18,000$ and net unrealized gains of $\$ 93,000$, respectively, on equity securities, which was recorded as other income in the consolidated statements of income.

## Note 5 - Loans

The following table presents total loans outstanding by portfolio, which includes non-purchased credit impaired ("Non-PCI") loans and purchased credit impaired ("PCI") loans, as of June 30, 2019 and December 31, 2018:

(1) The unpaid principal balance for PCI loans totaled $\$ 45.0$ million and $\$ 56.9$ million as of June 30, 2019 and December 31, 2018, respectively.

Total loans include net deferred loan fees of $\$ 3.0$ million and $\$ 11.6$ million at June 30, 2019 and December 31, 2018 , respectively, and unearned income of $\$ 34.2$ million and $\$ 29.2$ million within the lease financing portfolio at June 30 , 2019 and December 31, 2018, respectively.

At June 30, 2019 and December 31, 2018, the Company had commercial and residential loans held for sale totaling $\$ 22.1$ million and $\$ 30.4$ million, respectively. During the three and six months ended June 30, 2019, the Company sold commercial and residential real estate loans with proceeds totaling $\$ 149.4$ million and $\$ 248.7$ million, respectively, and sold commercial and residential real estate loans with proceeds totaling $\$ 115.9$ million and $\$ 269.9$ million for the comparable periods in 2018, respectively.

The aggregate loans outstanding to the directors, executive officers, principal shareholders and their affiliates totaled $\$ 24.5$ million and $\$ 26.5$ million at June 30, 2019 and December 31, 2018, respectively. During the three and six months ended June 30,2019 , there were $\$ 1.6$ million and $\$ 3.1$ million of new loans and other additions, respectively, while repayments and other reductions totaled $\$ 643,000$ and $\$ 5.1$ million, respectively.

## Credit Quality Monitoring

The Company maintains loan policies and credit underwriting standards as part of the process of managing credit risk. These standards include making loans generally within the Company's four main regions, which include eastern, northern and southern Illinois and the St. Louis metropolitan area. Our equipment leasing business provides financing to business customers across the country.

The Company has a loan approval process involving underwriting and individual and group loan approval authorities to consider credit quality and loss exposure at loan origination. The loans in the Company's commercial loan portfolio are risk rated at origination based on the grading system set forth below. All loan authority is based on the aggregate credit to a borrower and its related entities. All loans in the commercial loan portfolio have an assigned relationship manager, and most borrowers provide periodic financial and operating information that allows the
relationship managers to stay abreast of credit quality during the life of the loans. The risk ratings of loans in the commercial loan portfolio are reassessed at least annually, with loans below an acceptable risk rating reassessed more frequently and reviewed by various individuals within the Company at least quarterly.

The Company's consumer loan portfolio is primarily comprised of both secured and unsecured loans that are relatively small and are evaluated at origination on a centralized basis against standardized underwriting criteria. The ongoing measurement of credit quality of the consumer loan portfolio is largely done on an exception basis. If payments are made on schedule, as agreed, then no further monitoring is performed. However, if delinquency occurs, the delinquent loans are turned over to the Company's Consumer Collections Group for resolution. Credit quality for the entire consumer loan portfolio is measured by the periodic delinquency rate, nonaccrual amounts and actual losses incurred.

The Company maintains a centralized independent loan review function that monitors the approval process and ongoing asset quality of the loan portfolio, including the accuracy of loan grades. The Company also maintains an independent appraisal review function that participates in the review of all appraisals obtained by the Company.

## Credit Quality Indicators

The Company uses a ten grade risk rating system to monitor the ongoing credit quality of its commercial loan portfolio. These loan grades rank the credit quality of a borrower by measuring liquidity, debt capacity, and coverage and payment behavior as shown in the borrower's financial statements. The risk grades also measure the quality of the borrower's management and the repayment support offered by any guarantors.

The Company considers all loans with Risk Grades of $1-6$ as acceptable credit risks and structures and manages such relationships accordingly. Periodic financial and operating data combined with regular loan officer interactions are deemed adequate to monitor borrower performance. Loans with Risk Grades of 7 are considered "watch credits" and the frequency of loan officer contact and receipt of financial data is increased to stay abreast of borrower performance. Loans with Risk Grades of $8-10$ are considered problematic and require special care. Further, loans with Risk Grades of 7 - 10 are managed and monitored regularly through a number of processes, procedures and committees, including oversight by a loan administration committee comprised of executive and senior management of the Company, which includes highly structured reporting of financial and operating data, intensive loan officer intervention and strategies to exit, as well as potential management by the Company's Special Assets Group. Loans not graded in the commercial loan portfolio are monitored by aging status and payment activity.

The following table presents the recorded investment of the commercial loan portfolio (excluding PCI loans) by risk category as of June 30, 2019 and December 31, 2018:

| (dollars in thousands) | June 30, 2019 |  |  |  |  | December 31, 2018 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Commercial | $\begin{gathered} \hline \text { Commercial } \\ \text { Real } \\ \text { Estate } \\ \hline \end{gathered}$ |  | Construction and Land Development | Total | Commercial | $\begin{gathered} \hline \text { Commercial } \\ \text { Real } \\ \text { Estate } \\ \hline \end{gathered}$ |  | Construction <br> and Land <br> evelopment | Total |
| Acceptable credit quality | \$796,947 | \$1,403,625 | S | 238,050 | \$2,438,622 | \$748,296 | \$1,536,127 | S | 218,798 | \$2,503,221 |
| Special mention | 22,391 | 23,284 |  | 2,491 | 48,166 | 35,103 | 15,306 |  | 3,448 | 53,857 |
| Substandard | 21,086 | 53,152 |  | 884 | 75,122 | 14,139 | 46,976 |  | - | 61,115 |
| Substandard - nonaccrual | 8,163 | 28,622 |  | 1,312 | 38,097 | 8,489 | 21,494 |  | 1,171 | 31,154 |
| Doubtful | - | - |  | - | - | - | - |  | - | - |
| Not graded | - | - |  | 1,451 | 1,451 | - | - |  | 481 | 481 |
| Total (excluding PCI) | \$848,587 | \$1,508,683 |  | 244,188 | \$2,601,458 | \$806,027 | \$1,619,903 | \$ | 223,898 | \$ 2,649,828 |

The Company evaluates the credit quality of its other loan portfolio based primarily on the aging status of the loan and payment activity. Accordingly, loans on nonaccrual status, loans past due 90 days or more and still accruing interest, and loans modified under troubled debt restructurings are considered to be impaired for purposes of credit quality evaluation The following table presents the recorded investment of our other loan portfolio (excluding PCI loans) based on the credit risk profile of loans that are performing and loans that are impaired as of June 30, 2019 and December 31, 2018:

|  | June 30, 2019 |  |  |  | December 31, 2018 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Residential | Consumer | Lease Financing | Total | Residential |  | Consumer | Lease Financing |  | Total |
| Performing | \$ 535,528 | \$ 595,339 | \$ 296,776 | \$1,427,643 | \$ 562,019 | \$ | 610,839 | \$ 263,094 | \$ | 1,435,952 |
| Impaired | 8,533 | 389 | 1,033 | 9,955 | 7,270 |  | 569 | 957 |  | 8,796 |
| Total (excluding PCI) | \$544,061 | \$595,728 | \$297,809 | \$1,437,598 | \$ 569,289 | \$ | 611,408 | \$264,051 |  | 1,444,748 |

## Impaired Loans

Impaired loans include loans on nonaccrual status, loans past due 90 days or more and still accruing interest and loans modified under troubled debt restructurings. Impaired loans at June 30, 2019 and December 31, 2018 do not include $\$ 34.5$ million and $\$ 43.0$ million, respectively, of PCI loans. The risk of credit loss on acquired loans was recognized as part of the fair value adjustment at the acquisition date.

There was no interest income recognized on nonaccrual loans during the three and six months ended June 30, 2019 and 2018 while the loans were in nonaccrual status. Additional interest income that would have been recorded on nonaccrual loans had they been current in accordance with their original terms was $\$ 666,000$ and $\$ 1.3$ million for the three and six months ended June 30, 2019, respectively, and $\$ 346,000$ and $\$ 846,000$ for the three and six months ended June 30, 2018, respectively. The Company recognized interest income on commercial and commercial real estate loans modified under troubled debt restructurings of $\$ 29,000$ and $\$ 61,000$ for the three and six months ended June 30, 2019, respectively, and $\$ 28,000$ and $\$ 58,000$ for the comparable periods in 2018, respectively.

The following table presents impaired loans (excluding PCI loans) by portfolio and related valuation allowance as of June 30, 2019 and December 31, 2018:

| (dollars in thousands) | June 30, 2019 |  |  |  |  |  | December 31, 2018 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Recorded Investment |  | Unpaid Principal Balance |  | Related Valuation Allowance |  | Recorded <br> Investment |  | Unpaid Principal Balance | Related Valuation Allowance |  |
| Impaired loans with a valuation allowance: |  |  |  |  |  |  |  |  |  |  |  |
| Commercial | \$ | 7,863 | \$ | 8,380 | \$ | 5,311 | \$ | 7,945 | \$ 8,102 | , | 4,448 |
| Commercial real estate |  | 13,616 |  | 14,235 |  | 4,395 |  | 7,496 | 13,844 |  | 523 |
| Construction and land development |  | 109 |  | 155 |  | 12 |  | 171 | 171 |  | 54 |
| Residential real estate |  | 5,174 |  | 5,915 |  | 668 |  | 4,055 | 4,662 |  | 554 |
| Consumer |  | 379 |  | 427 |  | 34 |  | 428 | 444 |  | 45 |
| Lease financing |  | 494 |  | 494 |  | 262 |  | 766 | 766 |  | 361 |
| Total impaired loans with a valuation allowance |  | 27,635 |  | 29,606 |  | 10,682 |  | 20,861 | 27,989 |  | 5,985 |
| Impaired loans with no related valuation allowance: |  |  |  |  |  |  |  |  |  |  |  |
| Commercial |  | 915 |  | 3,991 |  | - |  | 983 | 4,392 |  | - |
| Commercial real estate |  | 16,967 |  | 23,739 |  | - |  | 16,372 | 16,921 |  | - |
| Construction and land development |  | 1,251 |  | 1,253 |  | - |  | 1,136 | 1,136 |  | - |
| Residential real estate |  | 3,359 |  | 3,639 |  | - |  | 3,215 | 3,516 |  | - |
| Consumer |  | 10 |  | 12 |  | - |  | 141 | 145 |  | - |
| Lease financing |  | 539 |  | 538 |  | - |  | 191 | 191 |  | - |
| Total impaired loans with no related valuation allowance |  | 23,041 |  | 33,172 |  | - |  | 22,038 | 26,301 |  | - |
| Total impaired loans: |  |  |  |  |  |  |  |  |  |  |  |
| Commercial |  | 8,778 |  | 12,371 |  | 5,311 |  | 8,928 | 12,494 |  | 4,448 |
| Commercial real estate |  | 30,583 |  | 37,974 |  | 4,395 |  | 23,868 | 30,765 |  | 523 |
| Construction and land development |  | 1,360 |  | 1,408 |  | 12 |  | 1,307 | 1,307 |  | 54 |
| Residential real estate |  | 8,533 |  | 9,554 |  | 668 |  | 7,270 | 8,178 |  | 554 |
| Consumer |  | 389 |  | 439 |  | 34 |  | 569 | 589 |  | 45 |
| Lease financing |  | 1,033 |  | 1,032 |  | 262 |  | 957 | 957 |  | 361 |
| Total impaired loans (excluding PCI) | \$ | 50,676 | \$ | 62,778 | \$ | 10,682 | \$ | 42,899 | \$54,290 | \$ | 5,985 |

The difference between a loan's recorded investment and the unpaid principal balance represents: (1) a partial charge-off resulting from a confirmed loss due to the value of the collateral securing the loan being below the loan's principal balance and management's assessment that the full collection of the loan balance is not likely and/or (2) payments received on nonaccrual loans that are fully applied to principal on the loan's recorded investment as compared to being applied to principal and interest on the unpaid customer principal and interest balance. The difference between the recorded investment and the unpaid principal balance on loans was $\$ 12.1$ million and $\$ 11.4$ million at June 30, 2019 and December 31,2018 , respectively.

The average balance of impaired loans (excluding PCI loans) and interest income recognized on impaired loans during the three months ended June 30, 2019 and 2018 are included in the table below:

| (dollars in thousands) | Three Months Ended June 30, |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  |  |  | 2018 |  |  |  |
|  | Average Recorded Investment |  | Interest Income <br> Recognized While on Impaired Status |  | Average Recorded Investment |  | Interest Income <br> Recognized While on Impaired Status |  |
| Impaired loans with a valuation allowance: |  |  |  |  |  |  |  |  |
| Commercial | \$ | 8,007 | \$ | 7 | \$ | 1,229 | \$ | 7 |
| Commercial real estate |  | 9,435 |  | 23 |  | 2,589 |  | 21 |
| Construction and land development |  | 111 |  | - |  | 100 |  | 1 |
| Residential real estate |  | 5,236 |  | 8 |  | 4,167 |  | 10 |
| Consumer |  | 395 |  | - |  | 166 |  | - |
| Lease financing |  | 494 |  | - |  | 447 |  | - |
| Total impaired loans with a valuation allowance |  | 23,678 |  | 38 |  | 8,698 |  | 39 |
| Impaired loans with no related valuation allowance: |  |  |  |  |  |  |  |  |
| Commercial |  | 937 |  | - |  | 864 |  | - |
| Commercial real estate |  | 21,313 |  | - |  | 15,876 |  | - |
| Construction and land development |  | 1,252 |  | 1 |  | 711 |  | - |
| Residential real estate |  | 3,367 |  | 3 |  | 2,360 |  | 2 |
| Consumer |  | 10 |  | 1 |  | 20 |  | - |
| Lease financing |  | 538 |  | - |  | 321 |  | - |
| Total impaired loans with no related valuation allowance |  | 27,417 |  | 5 |  | 20,152 |  | 2 |
| Total impaired loans: |  |  |  |  |  |  |  |  |
| Commercial |  | 8,944 |  | 7 |  | 2,093 |  | 7 |
| Commercial real estate |  | 30,748 |  | 23 |  | 18,465 |  | 21 |
| Construction and land development |  | 1,363 |  | 1 |  | 811 |  | 1 |
| Residential real estate |  | 8,603 |  | 11 |  | 6,527 |  | 12 |
| Consumer |  | 405 |  | 1 |  | 186 |  | - |
| Lease financing |  | 1,032 |  | - |  | 768 |  | - |
| Total impaired loans (excluding PCI) | \$ | 51,095 | \$ | 43 | \$ | 28,850 | \$ | 41 |

The average balance of impaired loans (excluding PCI loans) and interest income recognized on impaired loans during the six months ended June 30, 2019 and 2018 are included in the table below:

| (dollars in thousands) | Six Months Ended June 30, |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  |  |  | 2018 |  |  |  |
|  | Average Recorded Investment |  | Interest Income <br> Recognized <br> While on <br> Impaired Status |  | Average Recorded Investment |  | Interest Income <br> Recognized <br> While on <br> Impaired Status |  |
| Impaired loans with a valuation allowance: |  |  |  |  |  |  |  |  |
| Commercial | \$ | 8,448 | \$ | 13 | \$ | 1,279 | \$ | 17 |
| Commercial real estate |  | 9,381 |  | 50 |  | 2,769 |  | 41 |
| Construction and land development |  | 119 |  | - |  | 101 |  | 2 |
| Residential real estate |  | 5,264 |  | 19 |  | 4,173 |  | 21 |
| Consumer |  | 413 |  | - |  | 175 |  | - |
| Lease financing |  | 494 |  | - |  | 447 |  | - |
| Total impaired loans with a valuation allowance |  | 24,119 |  | 82 |  | 8,944 |  | 81 |
| Impaired loans with no related valuation allowance: |  |  |  |  |  |  |  |  |
| Commercial |  | 955 |  | - |  | 888 |  | - |
| Commercial real estate |  | 21,512 |  | - |  | 16,138 |  | - |
| Construction and land development |  | 1,261 |  | 1 |  | 725 |  | - |
| Residential real estate |  | 3,379 |  | 5 |  | 2,381 |  | 2 |
| Consumer |  | 11 |  | 1 |  | 21 |  | - |
| Lease financing |  | 538 |  | - |  | 321 |  | - |
| Total impaired loans with no related valuation allowance |  | 27,656 |  | 7 |  | 20,474 |  | 2 |
| Total impaired loans: |  |  |  |  |  |  |  |  |
| Commercial |  | 9,403 |  | 13 |  | 2,167 |  | 17 |
| Commercial real estate |  | 30,893 |  | 50 |  | 18,907 |  | 41 |
| Construction and land development |  | 1,380 |  | 1 |  | 826 |  | 2 |
| Residential real estate |  | 8,643 |  | 24 |  | 6,554 |  | 23 |
| Consumer |  | 424 |  | 1 |  | 196 |  | - |
| Lease financing |  | 1,033 |  | - |  | 768 |  | - |
| Total impaired loans (excluding PCI) | \$ | $\underline{51,776}$ | \$ | 89 | \$ | 29,418 | \$ | 83 |

The aging status of the recorded investment in loans by portfolio (excluding PCI loans) as of June 30, 2019 and December 31, 2018 were as follows:


## Troubled Debt Restructurings

Loans modified as TDRs for commercial and commercial real estate loans generally consist of allowing commercial borrowers to defer scheduled principal payments and make interest only payments for a specified period of time at the stated interest rate of the original loan agreement or lower payments due to a modification of the loans'
contractual terms. TDRs that continue to accrue interest and are greater than $\$ 50,000$ are individually evaluated for impairment on a quarterly basis, and transferred to nonaccrual status when it is probable that any remaining principal and interest payments due on the loan will not be collected in accordance with the contractual terms of the loan. TDRs that subsequently default are individually evaluated for impairment at the time of default. The allowance for loan losses on TDRs totaled $\$ 412,000$ and $\$ 557,000$ as of June 30, 2019 and December 31, 2018, respectively. The Company had no unfunded commitments in connection with TDRs at June 30, 2019 and December 31, 2018.

The Company's TDRs are identified on a case-by-case basis in connection with the ongoing loan collection processes. The following table presents TDRs by loan portfolio (excluding PCI loans) as of June 30, 2019 and December 31, 2018:

| (dollars in thousands) | June 30, 2019 |  |  |  |  |  | December 31, 2018 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Accruing (1) |  | Non-accrual (2) |  | Total |  | Accruing (1) |  | Non-accrual (2) |  | Total |  |
| Commercial | \$ | 615 | S | 386 | \$ | 1,001 | \$ | 435 | \$ | 406 | \$ | 841 |
| Commercial real estate |  | 1,961 |  | 10,695 |  | 12,656 |  | 2,225 |  | 9,103 |  | 11,328 |
| Construction and land development |  | 48 |  | 174 |  | 222 |  | 51 |  | - |  | 51 |
| Residential real estate |  | 702 |  | 1,467 |  | 2,169 |  | 810 |  | 853 |  | 1,663 |
| Consumer |  | 47 |  | - |  | 47 |  | 130 |  | - |  | 130 |
| Lease financing |  | - |  | - |  | - |  | - |  | - |  | - |
| Total loans (excluding PCI) | \$ | 3,373 | \$ | 12,722 | \$ | 16,095 | \$ | 3,651 | \$ | 10,362 | \$ | 14,013 |

(1) These loans are still accruing interest.
(2) These loans are included in non-accrual loans in the preceding tables.

The following table presents a summary of loans by portfolio that were restructured during the three and six months ended June 30, 2019 and the loans by portfolio that were modified as TDRs within the previous twelve months that subsequently defaulted during the three and six months ended June 30, 2019:


The following table presents a summary of loans by portfolio that were restructured during the three and six months ended June 30, 2018 and the loans by portfolio that were modified as TDRs within the previous twelve months that subsequently defaulted during the three and six months ended June 30, 2018:


## Purchased Credit Impaired Loans

The Company has purchased loans for which there was, at acquisition, evidence of deterioration of credit quality since origination and it was probable, at acquisition, that all contractually required payments would not be collected.

Accretable yield of PCI loans, or income expected to be collected, was as follows:

| (dollars in thousands) | Three Months Ended <br> June 30, <br> 2019 |  |  | Six Months Ended June 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 | 2018 |  | 2019 |  | 2018 |  |
| Balance, at beginning of period | \$ 11,063 | \$ | 7,630 | \$ | 12,240 | \$ | 5,732 |
| New loans purchased - Alpine acquisition | - |  | - |  | - |  | 1,245 |
| Accretion | $(1,937)$ |  | $(1,190)$ |  | $(3,013)$ |  | $(2,351)$ |
| Other adjustments (including maturities, charge-offs and impact of changes in timing of expected cash flows) | 194 |  | (181) |  | 88 |  | 479 |
| Reclassification from non-accretable | 1,079 |  | 5 |  | 1,084 |  | 1,159 |
| Balance, at end of period | \$ 10,399 | \$ | 6,264 | \$ | 10,399 | \$ | 6,264 |

Accretion recorded as loan interest income totaled $\$ 1.9$ million and $\$ 3.0$ million during the three and six months ended June 30, 2019, respectively, and $\$ 1.2$ million and $\$ 2.4$ million for the comparable periods in 2018, respectively.

## Allowance for Loan Losses

The Company's loan portfolio is principally comprised of commercial, commercial real estate, construction and land development, residential real estate and consumer loans and lease financing receivables. The principal risks to each category of loans are as follows:

Commercial - The principal risk of commercial loans is that these loans are primarily made based on the identified cash flow of the borrower and secondarily on the collateral underlying the loans. Most often, this collateral consists of accounts receivable, inventory and equipment. Inventory and equipment may depreciate over time, may be difficult to appraise and may fluctuate in value based on the success of the business. If the cash flow from business operations is reduced, the borrower's ability to repay the loan may be impaired. As such, repayment of such loans is often more sensitive than other types of loans to adverse conditions in the general economy.

Commercial real estate - As with commercial loans, repayment of commercial real estate loans is often dependent on the borrower's ability to make repayment from the cash flow of the commercial venture. While commercial real estate loans are collateralized by the borrower's underlying real estate, foreclosure on such assets may be more difficult than with other types of collateralized loans because of the possible effect the foreclosure would have on the borrower's business, and property values may tend to be partially based upon the value of the business situated on the property.

Construction and land development - Construction and land development lending involves additional risks not generally present in other types of lending because funds are advanced upon the estimated future value of the project, which is uncertain prior to its completion and at the time the loan is made, and costs may exceed realizable values in declining real estate markets. Moreover, if the estimate of the value of the completed project proves to be overstated or market values or rental rates decline, the collateral may prove to be inadequate security for the repayment of the loan. Additional funds may also be required to complete the project, and the project may have to be held for an unspecified period of time before a disposition can occur.

Residential real estate - The principal risk to residential real estate lending is associated with residential loans not sold into the secondary market. In such cases, the value of the underlying property may have deteriorated as a result of a change in the residential real estate market, and the borrower may have little incentive to repay the loan or continue living in the property. Additionally, in areas with high vacancy rates, reselling the property without substantial loss may be difficult.

Consumer - The repayment of consumer loans is typically dependent on the borrower remaining employed through the life of the loan, as well as the possibility that the collateral underlying the loan, if applicable, may not be adequately maintained by the borrower.

Lease financing - Our financing leases are primarily for business equipment leased to varying types of businesses, nationwide, for the purchase of business equipment and software. If the cash flow from business operations is reduced, the business's ability to repay may become impaired.

The following table represents, by loan portfolio, a summary of changes in the allowance for loan losses for the three and six months ended June 30, 2019 and 2018:


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The following table represents, by loan portfolio, details regarding the balance in the allowance for loan losses and the recorded investment in loans as of June 30, 2019 and December 31, 2018 by impairment evaluation method:

| (dollars in thousands) | Commercial Loan Portfolio |  |  |  |  |  | Other Loan Portfolio |  |  |  |  |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Commercial |  | $\begin{gathered} \hline \text { Commercial } \\ \text { Real } \\ \text { Estate } \\ \hline \end{gathered}$ |  | Construction and Land <br> Development |  | $\begin{gathered} \hline \text { Residential } \\ \text { Real } \\ \text { Estate } \\ \hline \end{gathered}$ |  | Consumer |  | Lease <br> Financing |  |  |  |
| June 30, 2019: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Allowance for loan losses: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Loans individually evaluated for impairment | \$ | 5,242 | \$ | 4,361 | \$ | - | \$ | 294 | \$ | - | \$ | 235 | \$ | 10,132 |
| Loans collectively evaluated for impairment |  | 69 |  | 34 |  | 12 |  | 374 |  | 34 |  | 27 |  | 550 |
| Non-impaired loans collectively evaluated for impairment |  | 4,788 |  | 3,481 |  | 304 |  | 1,349 |  | 1,992 |  | 1,950 |  | 13,864 |
| Loans acquired with deteriorated credit quality (1) |  | 16 |  | 763 |  | - |  | 407 |  | 193 |  | - |  | 1,379 |
| Total allowance for loan losses | \$ | 10,115 | \$ | 8,639 | \$ | 316 | \$ | 2,424 | \$ | 2,219 | \$ | 2,212 | \$ | 25,925 |
| Recorded investment (loan balance): |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Impaired loans individually evaluated for impairment | \$ | 8,175 | \$ | 30,286 | \$ | 1,251 | \$ | 4,926 | \$ | - | \$ | 792 | \$ | 45,430 |
| Impaired loans collectively evaluated for impairment |  | 603 |  | 297 |  | 109 |  | 3,607 |  | 389 |  | 241 |  | 5,246 |
| Non-impaired loans collectively evaluated for impairment |  | 839,809 |  | 78,100 |  | 242,828 |  | 5,528 |  | ,339 |  | ,776 |  | 988,380 |
| Loans acquired with deteriorated credit quality (1) |  | 2,974 |  | 15,686 |  | 6,226 |  | 8,345 |  | 1,240 |  | - |  | 34,471 |
| Total recorded investment (loan balance) |  | 851,561 |  | 524,369 | \$ | 250,414 |  | 52,406 |  | 6,968 | \$ | 7,809 |  | 073,527 |
| December 31, 2018: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Allowance for loan losses: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Loans individually evaluated for impairment | \$ | 4,405 | \$ | 476 | \$ | 48 | \$ | 233 | \$ | - | \$ | 330 | \$ | 5,492 |
| Loans collectively evaluated for impairment |  | 43 |  | 47 |  | 6 |  | 321 |  | 45 |  | 31 |  | 493 |
| Non-impaired loans collectively evaluated for impairment |  | 4,971 |  | 3,356 |  | 318 |  | 1,051 |  | 1,926 |  | 1,728 |  | 13,350 |
| Loans acquired with deteriorated credit quality (1) |  | 105 |  | 844 |  | - |  | 436 |  | 183 |  | - |  | 1,568 |
| Total allowance for loan losses | \$ | 9,524 | \$ | 4,723 | \$ | 372 | \$ | 2,041 | \$ | 2,154 | \$ | 2,089 | \$ | 20,903 |
| Recorded investment (loan balance): |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Impaired loans individually evaluated for impairment | \$ | 8,520 | \$ | 23,431 | \$ | 1,249 | \$ | 3,929 | \$ | 5 | \$ | 668 | \$ | 37,802 |
| Impaired loans collectively evaluated for impairment |  | 408 |  | 437 |  | 58 |  | 3,341 |  | 564 |  | 289 |  | 5,097 |
| Non-impaired loans collectively evaluated for impairment |  | 797,099 |  | 596,035 |  | 222,591 |  | 62,019 |  | 0,839 |  | 3,094 |  | 51,677 |
| Loans acquired with deteriorated credit quality (1) |  | 4,857 |  | 19,252 |  | 8,331 |  | 8,759 |  | 1,776 |  | - |  | 42,975 |
| Total recorded investment (loan balance) |  | 810,884 |  | 639,155 | \$ | 232,229 |  | 78,048 |  | 3,184 | \$ | 4,051 |  | 137,551 |

(1) Loans acquired with deteriorated credit quality were originally recorded at fair value at the acquisition date and the risk of credit loss was recognized at that date based on estimates of expected cash flows.

## Note 6 - Premises and Equipment, Net

A summary of premises and equipment as of June 30, 2019 and December 31,2018 is as follows:

| (dollars in thousands) | $\begin{gathered} \text { June } 30, \\ 2019 \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { December 31, } \\ 2018 \\ \hline \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Land | \$ | 20,231 | \$ | 20,231 |
| Buildings and improvements |  | 78,782 |  | 76,141 |
| Furniture and equipment |  | 30,194 |  | 29,858 |
| Total |  | 129,207 |  | 126,230 |
| Accumulated depreciation |  | $(34,383)$ |  | $(31,390)$ |
| Premises and equipment, net | \$ | $\underline{94,824}$ | \$ | $\underline{94,840}$ |

Depreciation expense of $\$ 1.6$ million and $\$ 3.2$ million was recorded for the three and six months ended June 30, 2019 , respectively, and $\$ 1.6$ million and $\$ 3.1$ million for the comparable periods in 2018 , respectively.

## Note 7 - Leases

The Company determines if a lease is present at the inception of an agreement. Operating leases are capitalized at commencement and are discounted using the Company's FHLB borrowing rate for a similar term borrowing unless the lease defines an implicit rate within the contract. For operating leases existing prior to January 1, 2019, the rate for the remaining lease term as of January 1, 2019 was used.

The ROU assets represent the Company's right to use an underlying asset for the lease term and lease liabilities represent the obligation to make lease payments arising from the lease. Operating lease ROU assets and operating lease liabilities are recognized on the lease commencement date based on the present value of lease payments over the lease term. No significant judgments or assumptions were involved in developing the estimated operating lease liabilities as the Company's operating lease liabilities largely represent future rental expenses associated with operating leases and the borrowing rates are based on publicly available interest rates.

The Company has operating leases for banking centers and operating facilities. Our leases have remaining lease terms of 2 months to 13 years, some of which may include options to extend the lease terms for up to an additional 5 years. The options to extend are included if they are reasonably certain to be exercised.

As of June 30, 2019, operating lease ROU assets totaled \$10.2 million and operating lease liabilities totaled \$10.7 million.

Information related to operating leases for the three and six months ended June 30, 2019 was as follows:

| (dollars in thousands) | Three Months Ended June 30, 2019 |  | Six Months Ended June 30, 2019 |  |
| :---: | :---: | :---: | :---: | :---: |
| Operating lease cost | \$ | 706 | \$ | 1,415 |
| Operating cash flows from leases |  | 742 |  | 1,483 |
| Right-of-use assets obtained in exchange for lease obligations |  | 181 |  | 12,281 |
| Weighted average remaining lease term |  | 5.9 years |  | 5.9 years |
| Weighted average discount rate |  | 3.12 \% |  | 3.12 \% |

The projected minimum rental payments under the terms of the leases as of June 30, 2019 were as follows:

| (dollars in thousands) | Amount |
| :--- | ---: |
| Year ending December 31: |  |
| 2019 remaining | $\$$ |
| 2020 | 1,143 |
| 2021 | 2,382 |
| 2022 | 2,229 |
| 2023 | 2,119 |
| Thereafter | 1,594 |
| Total future minimum lease payments | 2,322 |
| Less imputed interest | 11,789 |
| Total operating lease liabilities | $\boxed{(1,070)}$ |

## Note 8 - Mortgage Servicing Rights

The Company serviced commercial FHA mortgage loans for others with unpaid principal balances of approximately $\$ 4.03$ billion and $\$ 3.98$ billion at June 30, 2019 and December 31, 2018, respectively. Changes in our commercial FHA mortgage servicing rights were as follows for the three and six months ended June 30, 2019 and 2018:

| (dollars in thousands) | Three Months Ended June 30, |  |  |  | Six Months Ended June 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2019 |  | 2018 |  | 2019 |  | 2018 |
| Mortgage servicing rights: |  |  |  |  |  |  |  |  |
| Balance, beginning of period | \$ | 55,787 | \$ | 56,039 | \$ | 56,252 | \$ | 55,714 |
| Originated servicing |  | 1,350 |  | 911 |  | 1,563 |  | 1,912 |
| Amortization |  | (675) |  | (682) |  | $(1,353)$ |  | $(1,358)$ |
| Balance, end of period |  | 56,462 |  | 56,268 |  | 56,462 |  | 56,268 |
| Valuation allowances: |  |  |  |  |  |  |  |  |
| Balance, beginning of period |  | 2,830 |  | 3,387 |  | 2,805 |  | 3,254 |
| Additions |  | - |  | 500 |  | 25 |  | 633 |
| Reductions |  | (559) |  | - |  | (559) |  | - |
| Balance, end of period |  | 2,271 |  | 3,887 |  | 2,271 |  | 3,887 |
| Mortgage servicing rights, net | \$ | 54,191 | \$ | 52,381 | \$ | 54,191 | \$ | 52,381 |
| Fair value: |  |  |  |  |  |  |  |  |
| At beginning of period | \$ | 52,957 | \$ | 52,652 | \$ | 53,447 | \$ | 52,460 |
| At end of period | \$ | 54,191 | \$ | 52,381 | \$ | 54,191 | \$ | 52,381 |

The following table is a summary of key assumptions, representing both general economic and other published information and the weighted average characteristics of the commercial portfolio, used in the valuation of servicing rights at June 30, 2019 and December 31, 2018. Assumptions used in the prepayment rate consider many factors as appropriate, including lockouts, balloons, prepayment penalties, interest rate ranges, delinquencies and geographic location. The discount rate is based on an average pre-tax internal rate of return utilized by market participants in pricing the servicing portfolio. Significant increases or decreases in any one of these assumptions would result in a significantly lower or higher fair value measurement.

| (dollars in thousands) | Servicing Fee | Interest <br> Rate | Remaining <br> Years to <br> Maturity | Prepayment Rate | ServicingCost |  | Discount <br> Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| June 30, 2019: |  |  |  |  |  |  |  |
| Commercial FHA mortgage loans | 0.12 \% | 3.68 \% | 29.9 | 8.21 \% | \$ | 1,000 | 10-14\% |
| December 31, 2018: |  |  |  |  |  |  |  |
| Commercial FHA mortgage loans | 0.13 \% | 3.67 \% | 30.1 | 8.24 \% | \$ | 1,000 | 10-14\% |

We recognize revenue from servicing commercial FHA and residential mortgages as earned based on the specific contractual terms. This revenue, along with amortization of and changes in impairment on servicing rights, is reported in commercial FHA revenue and residential mortgage banking revenue in the consolidated statements of income. Mortgage servicing rights do not trade in an active market with readily observable prices. The fair value of mortgage servicing rights and their sensitivity to changes in interest rates is influenced by the mix of the servicing portfolio and characteristics of each segment of the portfolio. The Company's servicing portfolio consists of the distinct portfolios of government-insured residential and commercial mortgages and conventional residential mortgages. The fair value of our servicing rights is estimated by using a cash flow valuation model which calculates the present value of estimated future net servicing cash flows, taking into consideration expected mortgage loan prepayment rates, discount rates, cost to service, contractual servicing fee income, ancillary income, late fees, replacement reserves and other economic factors that are determined based on current market conditions.

At June 30, 2019 and December 31, 2018, the Company serviced residential mortgage loans for others with unpaid principal balances of approximately $\$ 58.6$ million and $\$ 897.6$ million, respectively. During the three and six months ended June 30 , 2019, the Company sold mortgage servicing rights held for sale of zero and $\$ 3.3$ million, respectively, and sold mortgage servicing rights held for sale of $\$ 2.7$ million and $\$ 12.9$ million for the comparable periods in 2018, respectively. At June 30, 2019, total residential mortgage servicing rights of $\$ 159,000$ are reflected in the consolidated balance sheet as mortgage servicing rights held for sale.

## Note 9 - Goodwill and Intangible Assets

At June 30, 2019 and December 31, 2018, goodwill totaled $\$ 164.7$ million.

The following table summarizes the carrying amount of goodwill by segment at both June 30, 2019 and December 31, 2018.

| (dollars in thousands) | Goodwill |
| :--- | ---: |
|  | 149,035 |
| Commercial FHA origination and servicing | 10,892 |
| Wealth management | 4,746 |
| $\quad$ Total goodwill | $\boxed{\$ 164,673}$ |

The Company's intangible assets, consisting of core deposit and customer relationship intangibles, as of June 30, 2019 and December 31, 2018 are summarized as follows:

|  | June 30, 2019 |  |  |  |  | December 31, 2018 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (dollars in thousands) | Gross <br> Carrying <br> Amount | Accumulated Amortization |  | Total |  |  | Gross arrying mount | Accumulated Amortization |  | Total |  |
| Core deposit intangibles | \$ 52,712 | \$ | $(27,691)$ | \$ | 25,021 | \$ | 52,712 | \$ | $(24,803)$ | \$ | 27,909 |
| Customer relationship intangibles | 13,771 |  | $(4,899)$ |  | 8,872 |  | 13,771 |  | $(4,304)$ |  | 9,467 |
| Total intangible assets | \$ 66,483 | \$ | $(32,590)$ | \$ | 33,893 | \$ | 66,483 | \$ | $(29,107)$ | \$ | 37,376 |

Amortization of intangible assets was $\$ 1.7$ million and $\$ 3.5$ million for the three and six months ended June 30 , 2019 , respectively, and $\$ 1.6$ million and $\$ 3.3$ million for the comparable periods in 2018 , respectively.

## Note 10 - Derivative Instruments

As part of the Company's overall management of interest rate sensitivity, the Company utilizes derivative instruments to minimize significant, unanticipated earnings fluctuations caused by interest rate volatility, including interest rate lock commitments, forward commitments to sell mortgage-backed securities and interest rate swap contracts.

## Interest Rate Lock Commitments / Forward Commitments to Sell Mortgage-Backed Securities

The Company issues interest rate lock commitments on originated fixed-rate commercial and residential real estate loans to be sold. The interest rate lock commitments and loans held for sale are hedged with forward contracts to sell mortgage-backed securities. The fair value of the interest rate lock commitments and forward contracts to sell mortgagebacked securities are included in other assets or other liabilities in the consolidated balance sheets. Changes in the fair value of derivative financial instruments are recognized in commercial FHA revenue and residential mortgage banking revenue in the consolidated statements of income.

The following table summarizes the interest rate lock commitments and forward commitments to sell mortgagebacked securities held by the Company, their notional amount and estimated fair values at June 30, 2019 and December 31, 2018:

| (dollars in thousands) | Notional Amount |  |  |  | Fair Value Gain |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | June 30, 2019 |  | $\begin{gathered} \hline \text { December 31, } \\ 2018 \\ \hline \end{gathered}$ |  | June 30, 2019 |  | $\begin{gathered} \hline \text { December 31, } \\ 2018 \\ \hline \end{gathered}$ |  |
| Derivative Instruments (included in Other Assets): |  |  |  |  |  |  |  |  |
| Interest rate lock commitments |  | \$ 183,562 | \$ | 264,710 | \$ | 3,791 | \$ | 4,492 |
| Forward commitments to sell mortgage-backed securities |  | 183,280 |  | 276,871 |  | - |  | - |
| Total |  | \$ 366,842 | \$ | 541,581 | \$ | 3,791 | \$ | 4,492 |
|  |  | Notiona | Am |  |  | Fair | lue |  |
| (dollars in thousands) |  | $\begin{gathered} \hline \text { June 30, } \\ 2019 \end{gathered}$ |  | $\begin{aligned} & \hline \text { nber 31, } \\ & 018 \end{aligned}$ |  | $\begin{aligned} & \text { e 30, } \\ & 019 \end{aligned}$ |  | $\begin{aligned} & \text { lber 31, } \\ & 018 \\ & \hline \end{aligned}$ |
| Derivative Instruments (included in Other Liabilities): |  |  |  |  |  |  |  |  |
| Forward commitments to sell mortgage-backed securities | \$ | - | \$ | 54 | \$ | - | \$ |  |

During the three and six months ended June 30, 2019, the Company recognized net losses of $\$ 2.0$ million and $\$ 701,000$, respectively, on derivative instruments in commercial FHA revenue and residential mortgage banking revenue in the consolidated statements of income.

During the three and six months ended June 30, 2018, the Company recognized net losses of $\$ 2.0$ million and $\$ 2.1$ million, respectively, on derivative instruments in commercial FHA revenue and residential mortgage banking revenue in the consolidated statements of income.

## Interest Rate Swap Contracts

The Company entered into interest rate swap contracts sold to commercial customers who wish to modify their interest rate sensitivity. These swaps are offset by contracts simultaneously purchased by the Company from other financial dealer institutions with mirror-image terms. Because of the mirror-image terms of the offsetting contracts, in addition to collateral provisions which mitigate the impact of non-performance risk, changes in the fair value subsequent to initial recognition have a minimal effect on earnings. These derivative contracts do not qualify for hedge accounting.

The notional amounts of these customer derivative instruments and the offsetting counterparty derivative instruments were $\$ 9.2$ million and $\$ 9.5$ million at June 30, 2019 and December 31, 2018, respectively. The fair value of the customer derivative instruments and the offsetting counterparty derivative instruments was $\$ 286,000$ and $\$ 145,000$ at June 30, 2019 and December 31, 2018, respectively, which are included in other assets and other liabilities, respectively, on the consolidated balance sheets.

## Note 11 - Deposits

The following table summarizes the classification of deposits as of June 30, 2019 and December 31, 2018:

| (dollars in thousands) | June 30, 2019 |  | $\begin{gathered} \text { December 31, } \\ 2018 \\ \hline \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Noninterest-bearing demand | \$ | 902,286 | \$ | 972,164 |
| Interest-bearing: |  |  |  |  |
| Checking |  | 1,009,023 |  | 1,002,275 |
| Money market |  | 732,573 |  | 862,171 |
| Savings |  | 442,017 |  | 442,132 |
| Time |  | 925,308 |  | 795,428 |
| Total deposits | \$ | 4,011,207 | \$ | 4,074,170 |

## Note 12 - Short-Term Borrowings

The following table presents the distribution of short-term borrowings and related weighted average interest rates as of June 30, 2019 and December 31, 2018:

| (dollars in thousands) | Repurchase Agreements |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \hline \text { June 30, } \\ 2019 \\ \hline \end{gathered}$ |  | $\begin{gathered} \hline \text { December 31, } \\ 2018 \\ \hline \end{gathered}$ |  |
| Outstanding at period-end | \$ | 113,844 | \$ | 124,235 |
| Average amount outstanding |  | 128,058 |  | 138,135 |
| Maximum amount outstanding at any month end |  | 138,907 |  | 173,387 |
| Weighted average interest rate: |  |  |  |  |
| During period |  | 0.70 \% |  | 0.51 \% |
| End of period |  | 0.68 \% |  | 0.71 \% |

Securities sold under agreements to repurchase, which are classified as secured borrowings, generally mature within one to four days from the transaction date. Securities sold under agreements to repurchase are reflected at the amount of cash received in connection with the transaction, which represents the amount of the Bank's obligation. The Bank may be required to provide additional collateral based on the fair value of the underlying securities. Investment securities with a carrying amount of $\$ 128.8$ million and $\$ 132.2$ million at June 30, 2019 and December 31, 2018, respectively, were pledged for securities sold under agreements to repurchase.

The Company had lines of credit of $\$ 50.9$ million and $\$ 56.8$ million at June 30, 2019 and December 31, 2018, respectively, from the Federal Reserve Discount Window. The lines are collateralized by a collateral agreement with
respect to a pool of commercial real estate loans totaling $\$ 60.0$ million and $\$ 67.6$ million at June 30,2019 and December 31, 2018, respectively. There were no outstanding borrowings at June 30, 2019 and December 31, 2018.

At June 30, 2019, the Company had available federal funds lines of credit totaling $\$ 45.0$ million. These lines of credit were unused at June 30, 2019.

## Note 13 - FHLB Advances and Other Borrowings

The following table summarizes our Federal Home Loan Bank ("FHLB") advances and other borrowings as of June 30, 2019 and December 31, 2018 :

| (dollars in thousands) | June 30,$2019$ |  | $\begin{gathered} \text { December 31, } \\ 2018 \\ \hline \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Midland States Bancorp, Inc. |  |  |  |  |
| Term loan - variable interest rate equal to LIBOR plus $2.25 \%$, which was $4.75 \%$ and $4.63 \%$ at June 30, 2019 and December 31, 2018, respectively, - maturing May 25, 2020 | \$ | 29,989 | \$ | 32,840 |
| Series G redeemable preferred stock - 181 shares at \$1,000 per share |  | 181 |  | 181 |
| Midland States Bank |  |  |  |  |
| FHLB advances - fixed rate, fixed term of $\$ 22.3$ million and $\$ 87.7$ million, at rates averaging $2.37 \%$ and $2.35 \%$ at June 30, 2019 and December 31, 2018, respectively - maturing through February 2023 and putable fixed rate of $\$ 530.0$ million and $\$ 520.0$ million at rates averaging $2.24 \%$ and $2.09 \%$ at June 30, 2019 and December 31, 2018, respectively - maturing through August 2025 with call provisions through August 2021 |  | 552,217 |  | 607,610 |
| Total FHLB advances and other borrowings | \$ | 582,387 | \$ | 640,631 |

In May 2017, the Company entered into a loan agreement with another bank for a revolving line of credit in the original principal amount of up to $\$ 10.0$ million and a term loan in the original principal amount of $\$ 40.0$ million. The term loan matures on May 25, 2020 and has a variable rate of interest equal to one-month LIBOR plus $2.25 \%$. Beginning September 1,2018 , the Company was required to make quarterly principal and interest payments on the term loan of $\$ 1.4$ million with the remaining principal and any unpaid interest due at maturity. The loan is unsecured with a negative pledge of shares of the Bank's common stock. The loan agreement contains financial covenants that require the Company to maintain a minimum total capital to risk-weighted assets ratio, a minimum adjusted loan loss reserves to nonperforming loans ratio, a minimum fixed charge coverage ratio and a maximum percentage of nonperforming assets to tangible capital. At June 30, 2019 , the Company was in compliance with each of these financial covenants.

The Company's advances from the FHLB are collateralized by a blanket collateral agreement of qualifying mortgage and home equity line of credit loans and certain commercial real estate loans totaling approximately $\$ 2.01$ billion and $\$ 2.22$ billion at June 30, 2019 and December 31, 2018, respectively.

## Note 14 - Earnings Per Share

Earnings per share are calculated utilizing the two-class method. Basic earnings per share are calculated by dividing the sum of distributed earnings to common shareholders and undistributed earnings allocated to common shareholders by the weighted average number of common shares outstanding. Diluted earnings per share are calculated by dividing the sum of distributed earnings to common shareholders and undistributed earnings allocated to common shareholders by the weighted average number of shares adjusted for the dilutive effect of common stock awards. The diluted earnings per share computation for the three and six months ended June 30, 2019 and 2018 excluded antidilutive stock options of 96,837 and 31,259 , respectively, because the exercise prices of these stock options exceeded the average market prices of the Company's common shares for those respective periods. Presented below are the calculations for basic and diluted earnings per common share for the three and six months ended June 30, 2019 and 2018:

| (dollars in thousands, except per share data) | Three Months Ended June 30, |  |  |  | Six Months Ended June 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  | 2018 |  | 2019 |  | 2018 |  |
| Net income | \$ | 16,355 | \$ | 12,782 | \$ | 30,337 | \$ | 14,588 |
| Preferred dividends declared |  | (83) |  | (83) |  | (165) |  | (166) |
| Preferred stock, premium amortization |  | 49 |  | 47 |  | 97 |  | 94 |
| Net income available to common shareholders |  | 16,321 |  | 12,746 |  | 30,269 |  | 14,516 |
| Common shareholder dividends |  | $(5,791)$ |  | $(5,201)$ |  | $(11,567)$ |  | $(9,409)$ |
| Unvested restricted stock award dividends |  | (49) |  | (32) |  | (96) |  | (63) |
| Undistributed earnings to unvested restricted stock awards |  | (85) |  | (44) |  | (150) |  | (31) |
| Undistributed earnings to common shareholders | \$ | 10,396 | \$ | 7,469 | \$ | 18,456 | \$ | 5,013 |
| Basic |  |  |  |  |  |  |  |  |
| Distributed earnings to common shareholders | \$ | 5,791 | \$ | 5,201 | \$ | 11,567 | \$ | 9,409 |
| Undistributed earnings to common shareholders |  | 10,396 |  | 7,469 |  | 18,456 |  | 5,013 |
| Total common shareholders earnings, basic | \$ | 16,187 | \$ | 12,670 | \$ | 30,023 | \$ | 14,422 |
| Diluted |  |  |  |  |  |  |  |  |
| Distributed earnings to common shareholders | \$ | 5,791 | \$ | 5,201 | \$ | 11,567 | \$ | 9,409 |
| Undistributed earnings to common shareholders |  | 10,396 |  | 7,469 |  | 18,456 |  | 5,013 |
| Total common shareholders earnings |  | 16,187 |  | 12,670 |  | 30,023 |  | 14,422 |
| Add back: |  |  |  |  |  |  |  |  |
| Undistributed earnings reallocated from unvested restricted stock awards |  | 1 |  | 1 |  | 1 |  | 1 |
| Total common shareholders earnings, diluted | \$ | 16,188 | \$ | 12,671 | \$ | 30,024 | \$ | 14,423 |
| Weighted average common shares outstanding, basic |  | 81,777 |  | ,815,436 |  | ,040,032 |  | 65,927 |
| Options |  | 21,434 |  | 452,675 |  | 214,580 |  | 51,545 |
| Weighted average common shares outstanding, diluted |  | 03,211 |  | 268,111 |  | 254,612 |  | 17,472 |
| Basic earnings per common share | \$ | 0.67 | \$ | 0.53 | \$ | 1.25 | \$ | 0.64 |
| Diluted earnings per common share |  | 0.67 |  | 0.52 |  | 1.24 |  | 0.63 |

## Note 15 - Fair Value of Financial Instruments

Fair value is defined as the exchange price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date reflecting assumptions that a market participant would use when pricing an asset or liability. The hierarchy uses three levels of inputs to measure the fair value of assets and liabilities as follows:

- Level 1: Unadjusted quoted prices for identical assets or liabilities traded in active markets.
- Level 2: Significant other observable inputs other than Level 1, including quoted prices for similar assets and liabilities in active markets, quoted prices in less active markets, or other observable inputs that can be corroborated by observable market data.
- Level 3: Significant unobservable inputs that reflect a company's own assumptions about the assumptions that market participants would use in pricing an asset or liability.

Assets and liabilities measured and recorded at fair value, including financial assets for which the Company has elected the fair value option, on a recurring and nonrecurring basis as of June 30, 2019 and December 31, 2018, are summarized below:

| (dollars in thousands) | June 30, 2019 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | Quoted prices in active markets for identical assets (Level 1) |  | Significant other observable inputs (Level 2) |  |  |  |
| Assets and liabilities measured at fair value on a recurring basis: |  |  |  |  |  |  |  |  |
| Assets |  |  |  |  |  |  |  |  |
| Investment securities available for sale: |  |  |  |  |  |  |  |  |
| Government sponsored entity debt securities | \$ | 74,875 | \$ | - | \$ | 74,875 | \$ | - |
| Agency mortgage-backed securities |  | 297,362 |  | - |  | 297,362 |  | - |
| State and municipal securities |  | 143,729 |  | - |  | 143,729 |  | - |
| Corporate securities |  | 93,691 |  | - |  | 92,756 |  | 935 |
| Equity securities |  | 3,369 |  | - |  | 3,369 |  | - |
| Loans held for sale |  | 22,143 |  | - |  | 22,143 |  | - |
| Interest rate lock commitments |  | 3,791 |  | - |  | 3,791 |  | - |
| Interest rate swap contracts |  | 286 |  | - |  | 286 |  | - |
| Total | \$ | 639,246 | \$ | - | \$ | 638,311 | \$ | 935 |
| Liabilities |  |  |  |  |  |  |  |  |
| Interest rate swap contracts | \$ | 286 | \$ | - | \$ | 286 | \$ | - |
|  |  |  |  |  |  |  |  |  |
| Assets measured at fair value on a non-recurring basis: |  |  |  |  |  |  |  |  |
| Mortgage servicing rights | \$ | 54,191 | \$ | - | \$ | - | \$ | 54,191 |
| Mortgage servicing rights held for sale |  | 159 |  | 159 |  | - |  | - |
| Impaired loans |  | 13,170 |  | - |  | 10,842 |  | 2,328 |
| Other real estate owned |  | 47 |  | - |  | 47 |  | - |
| Assets held for sale |  | 1,297 |  | - |  | 1,297 |  | - |



The following table presents gains (losses) recognized on assets measured on a non-recurring basis for the three and six months ended June 30, 2019 and 2018:

| (dollars in thousands) | Three Months Ended June 30, |  |  |  | Six Months Ended June 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  | 2018 |  | 2019 |  | 2018 |  |
| Mortgage servicing rights | \$ | 559 | \$ | (500) | \$ | 534 | \$ | (633) |
| Mortgage servicing rights held for sale |  | 515 |  | (188) |  | 515 |  | (188) |
| Impaired loans |  | $(1,252)$ |  | $(2,041)$ |  | $(2,233)$ |  | $(2,916)$ |
| Other real estate owned |  | - |  | (126) |  | (16) |  | (126) |
| Total loss on assets measured on a nonrecurring basis | \$ | (178) | \$ | $\underline{(2,855)}$ | \$ | $(1,200)$ | \$ | $(3,863)$ |

The following table presents activity for assets measured at fair value on a recurring basis using significant unobservable inputs (Level 3) for the three and six months ended June 30, 2019 and 2018:

| (dollars in thousands) | Three Months Ended June 30, |  |  |  | Six Months Ended June 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  | 2018 |  | 2019 |  | 2018 |  |
| Balance, beginning of period | \$ | 1,930 | \$ | 4,787 | , | 1,923 | \$ | 4,779 |
| Total realized in earnings (1) |  | 20 |  | 63 |  | 42 |  | 119 |
| Total unrealized in other comprehensive income |  | 5 |  | 562 |  | 12 |  | 562 |
| Net settlements (principal and interest) |  | $(1,020)$ |  | (55) |  | $(1,042)$ |  | (103) |
| Balance, end of period | \$ | 935 | \$ | 5,357 | \$ | 935 | \$ | 5,357 |

[^0]The following table presents quantitative information about significant unobservable inputs used in fair value measurements of non-recurring assets (Level 3) at June 30, 2019:

| Non-recurring <br> fair value measurements | Fair Value (dollars in thousands) |  | Valuation technique | Unobservable input / assumptions | Range (weighted average) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Mortgage servicing rights | \$ | 54,191 | Discounted cash flow | Prepayment speed | 8.00\% - 18.00\% (8.21\%) |
|  |  |  |  | Discount rate | 10.00\% - 27.00\% (11.03\%) |
| Impaired loans | \$ | 2,328 | Fair value of collateral | Discount for type of property, | 4.32\% - 8.00\% (5.51\%) |
|  |  |  |  | ge of appraisal and current status |  |

The following table presents quantitative information about significant unobservable inputs used in fair value measurements of non-recurring assets (Level 3) at December 31, 2018

| Non-recurring <br> fair value measurements | Fair Value <br> (dollars in thousands) |  | Valuation <br> technique |  |  | Unobservable <br> input / assumptions |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Mortgage Servicing Rights. In accordance with GAAP, the Company must record impairment charges on mortgage servicing rights on a non-recurring basis when the carrying value exceeds the estimated fair value. The fair value of our servicing rights is estimated by using a cash flow valuation model, which calculates the present value of estimated future net servicing cash flows, taking into consideration expected mortgage loan prepayment rates, discount rates, servicing costs, replacement reserves and other economic factors which are estimated based on current market conditions. The determination of fair value of servicing rights relies upon Level 3 inputs. The fair value of mortgage servicing rights was $\$ 54.2$ million and $\$ 53.4$ million at June 30, 2019 and December 31, 2018, respectively.

Impaired loans. Impaired loans are measured and recorded at fair value on a non-recurring basis. All of our nonaccrual loans and restructured loans are considered impaired and are reviewed individually for the amount of impairment, if any. Most of our loans are collateral dependent and, accordingly, we measure impaired loans based on the estimated fair value of such collateral. The fair value of each loan's collateral is generally based on estimated market prices from an independently prepared appraisal, which is then adjusted for the cost related to liquidating such collateral; such valuation inputs result in a nonrecurring fair value measurement that is categorized as a Level 2 measurement. When adjustments are made to an appraised value to reflect various factors such as the age of the appraisal or known changes in the market or the collateral, such valuation inputs are considered unobservable and the fair value measurement is categorized as a Level 3 measurement. The impaired loans categorized as Level 3 also include unsecured loans and other secured loans whose fair values are based significantly on unobservable inputs such as the strength of a guarantor, cash flows discounted at the effective loan rate, and management's judgment.

ASC Topic 825, Financial Instruments, requires disclosure of the estimated fair value of certain financial instruments and the methods and significant assumptions used to estimate such fair values. Additionally, certain financial instruments and all nonfinancial instruments are excluded from the applicable disclosure requirements.

The Company has elected the fair value option for newly originated residential and commercial loans held for sale. These loans are intended for sale and are hedged with derivative instruments. We have elected the fair value option to mitigate accounting mismatches in cases where hedge accounting is complex and to achieve operational simplification.

The following table presents the difference between the aggregate fair value and the aggregate remaining principal balance for loans for which the fair value option has been elected as of June 30, 2019 and December 31, 2018:

|  | June 30, 2019 |  |  |  |  |  | December 31, 2018 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

The following table presents the amount of gains (losses) from fair value changes included in income before income taxes for financial assets carried at fair value for the three and six months ended June 30, 2019 and 2018:

| (dollars in thousands) | Three Months Ended June 30, |  |  |  | Six Months Ended June 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  | 2018 |  | 2019 |  | 2018 |  |
| Residential loans held for sale | \$ | 38 | \$ | 168 | \$ | (19) | \$ | 60 |
| Commercial loans held for sale |  | 34 |  | 260 |  | (294) |  | 25 |
| Total loans held for sale | \$ | 72 | \$ | 428 | \$ | (313) | \$ | 85 |

The following tables are a summary of the carrying values and fair value estimates of certain financial instruments as of June 30, 2019 and December 31, 2018:

| (dollars in thousands) | June 30, 2019 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Carrying <br> Amount | Fair Value |  | $\begin{gathered} \hline \text { Quoted prices } \\ \text { in active } \\ \text { markets } \\ \text { for identical } \\ \text { assets } \\ \text { (Level 1) } \\ \hline \end{gathered}$ |  | $\begin{aligned} & \text { Significant } \\ & \text { other } \\ & \text { observable } \\ & \text { inputs } \\ & \text { (Level 2) } \\ & \hline \end{aligned}$ |  | Significant <br> unobservable <br> inputs <br> (Level 3) |  |
| Assets |  |  |  |  |  |  |  |  |  |
| Cash and due from banks | \$ 244,239 | \$ | 244,239 | \$ | 244,239 | \$ | \$ - | \$ | - |
| Federal funds sold | 1,176 |  | 1,176 |  | 1,176 |  | - |  | - |
| Investment securities available for sale | 609,657 |  | 609,657 |  | - |  | 608,722 |  | 935 |
| Equity securities | 3,369 |  | 3,369 |  | - |  | 3,369 |  | - |
| Nonmarketable equity securities | 43,175 |  | 43,175 |  | - |  | 43,175 |  | - |
| Loans, net | 4,047,602 |  | 4,056,912 |  | - |  | 4,056,912 |  | - |
| Loans held for sale | 22,143 |  | 22,143 |  | - |  | 22,143 |  | - |
| Accrued interest receivable | 15,509 |  | 15,509 |  | - |  | 15,509 |  | - |
| Interest rate lock commitments | 3,791 |  | - |  | - |  | 3,791 |  | - |
| Interest rate swap contracts | 286 |  | - |  | - |  | 286 |  | - |
| Liabilities |  |  |  |  |  |  |  |  |  |
| Deposits | \$ 4,011,207 | \$ | 4,016,503 | \$ | - |  | 4,016,503 | \$ | - |
| Short-term borrowings | 113,844 |  | 113,844 |  | - |  | 113,844 |  | - |
| FHLB and other borrowings | 582,387 |  | 594,404 |  | - |  | 594,404 |  | - |
| Subordinated debt | 94,215 |  | 93,761 |  | - |  | 93,761 |  | - |
| Trust preferred debentures | 48,041 |  | 55,218 |  | - |  | 55,218 |  | - |
| Accrued interest payable | 5,455 |  | 5,455 |  | - |  | 5,455 |  | - |
| Interest rate swap contracts | 286 |  | - |  | - |  | 286 |  | - |


| (dollars in thousands) | December 31, 2018 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Carrying Amount | Fair Value | Quoted prices <br> in active <br> markets <br> for identical <br> assets <br> (Level 1) |  | Significant other observable inputs (Level 2) | Significant unobservable inputs (Level 3) |  |
| Assets |  |  |  |  |  |  |  |
| Cash and due from banks | \$ 210,780 | 210,780 | \$ | 210,780 | - | \$ | - |
| Federal funds sold | 2,920 | 2,920 |  | 2,920 | - |  | - |
| Investment securities available for sale | 660,785 | 660,785 |  | 24,650 | 634,212 |  | 1,923 |
| Nonmarketable equity securities | 42,472 | 42,472 |  | - | 42,472 |  | - |
| Loans, net | 4,116,648 | 4,091,438 |  | - | - |  | 1,438 |
| Loans held for sale | 30,401 | 30,401 |  | - | 30,401 |  | - |
| Accrued interest receivable | 16,560 | 16,560 |  | - | 16,560 |  | - |
| Interest rate lock commitments | 4,492 | 4,492 |  | - | 4,492 |  | - |
| Interest rate swap contracts | 145 | 145 |  | - | 145 |  | - |
| Liabilities |  |  |  |  |  |  |  |
| Deposits | \$ 4,074,170 | \$ 4,069,098 | \$ | - | \$ 4,069,098 | \$ | - |
| Short-term borrowings | 124,235 | 124,235 |  | - | 124,235 |  | - |
| FHLB and other borrowings | 640,631 | 641,050 |  | - | 641,050 |  | - |
| Subordinated debt | 94,134 | 91,926 |  | - | 91,926 |  | - |
| Trust preferred debentures | 47,794 | 56,805 |  | - | 56,805 |  | - |
| Accrued interest payable | 4,855 | 4,855 |  | - | 4,855 |  | - |
| Interest rate swap contracts | 145 | 145 |  | - | 145 |  | - |

## Note 16 - Commitments, Contingencies and Credit Risk

In the normal course of business, there are outstanding various contingent liabilities such as claims and legal actions, which are not reflected in the consolidated financial statements. No material losses are anticipated as a result of these actions or claims.

We are a party to financial instruments with off-balance-sheet risk in the normal course of business to meet the financing needs of our customers. These financial instruments include commitments to extend credit and standby letters of credit. Those instruments involve, to varying degrees, elements of credit risk in excess of the amount recognized in the balance sheet. The contract amounts of those instruments reflect the extent of involvement we have in particular classes of financial instruments.

Our exposure to credit loss in the event of nonperformance by the other party to the financial instrument for commitments to extend credit and standby letters of credit is represented by the contractual amount of those instruments. The Bank used the same credit policies in making commitments and conditional obligations as it does for on-balance sheet instruments. The commitments are principally tied to variable rates. Loan commitments as of June 30, 2019 and December 31,2018 were as follows:

|  | June 30, | December 31, |  |
| :--- | :---: | :---: | :---: |
| (dollars in thousands) | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 1 8}$ |  |
| Commitments to extend credit | $\$$ | 761,832 | $\$$ |
| Financial guarantees - standby letters of credit | 127,135 | 142,555 |  |

The Company establishes a mortgage repurchase liability to reflect management's estimate of losses on loans for which the Company could have a repurchase obligation based on the volume of loans sold in 2019 and years prior, borrower default expectations, historical investor repurchase demand and appeals success rates, and estimated loss severity. Loans repurchased from investors are initially recorded at fair value, which becomes the Company's new accounting basis. Any difference between the loan's fair value and the outstanding principal amount is charged or credited to the mortgage repurchase liability, as appropriate. Subsequent to repurchase, such loans are carried in loans receivable. As a result of makewhole requests and loan repurchases, the Company incurred losses totaling $\$ 9,000$ and $\$ 20,000$ for the three and six months ended June 30, 2018, respectively. There were no losses as a result of make-whole requests and loan repurchases for the three and six months ended June 30, 2019. The liability for unresolved repurchase demands totaled $\$ 289,000$ and $\$ 492,000$ at June 30, 2019 and December 31, 2018, respectively.

## Note 17 - Segment Information

Our business segments are defined as Banking, Commercial FHA Origination and Servicing, Wealth Management, and Other. The reportable business segments are consistent with the internal reporting and evaluation of the principle lines of business of the Company. The banking segment provides a wide range of financial products and services to consumers and businesses, including commercial, commercial real estate, mortgage and other consumer loan products; commercial equipment leasing; mortgage loan sales and servicing; letters of credit; various types of deposit products, including checking, savings and time deposit accounts; merchant services; and corporate treasury management services. The commercial FHA origination and servicing segment provides for the origination and servicing of government sponsored mortgages for multifamily and healthcare facilities. The wealth management segment consists of trust and fiduciary services, brokerage and retirement planning services. The other segment includes the operating results of the parent company, our captive insurance business unit, and the elimination of intercompany transactions.

Selected business segment financial information as of and for the three and six months ended June 30, 2019 and 2018 were as follows:

| (dollars in thousands) | Banking |  | Commercial FHA <br> Origination and Servicing |  | Wealth <br> Management |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Three Months Ended June 30, 2019 |  |  |  |  |  |  |  |  |  |  |
| Net interest income (expense) | \$ | 48,930 | \$ | (138) | \$ | - | \$ | $(2,715)$ | \$ | 46,077 |
| Provision for loan losses |  | 4,076 |  | - |  | - |  | - |  | 4,076 |
| Noninterest income |  | 9,025 |  | 5,116 |  | 5,504 |  | (58) |  | 19,587 |
| Noninterest expense |  | 33,809 |  | 3,004 |  | 3,772 |  | (391) |  | 40,194 |
| Income before income taxes |  | 20,070 |  | 1,974 |  | 1,732 |  | $(2,382)$ |  | 21,394 |
| Income taxes (benefit) |  | 5,132 |  | 551 |  | 197 |  | (841) |  | 5,039 |
| Net income (loss) | \$ | 14,938 | \$ | 1,423 | \$ | 1,535 | \$ | $(1,541)$ | \$ | 16,355 |
| Total assets | \$ | 5,478,515 | \$ | 88,320 | \$ | 19,398 |  | $(40,178)$ | \$ | 5,546,055 |
|  |  |  |  |  |  |  |  |  |  |  |
| Six Months Ended June 30, 2019 |  |  |  |  |  |  |  |  |  |  |
| Net interest income (expense) | \$ | 97,448 | \$ | (314) | \$ | - | \$ | $(5,456)$ | \$ | 91,678 |
| Provision for loan losses |  | 7,319 |  | - |  | - |  | - |  | 7,319 |
| Noninterest income |  | 17,965 |  | 8,354 |  | 10,457 |  | (114) |  | 36,662 |
| Noninterest expense |  | 69,180 |  | 5,815 |  | 7,019 |  | (723) |  | 81,291 |
| Income (loss) before income taxes (benefit) |  | 38,914 |  | 2,225 |  | 3,438 |  | $(4,847)$ |  | 39,730 |
| Income taxes (benefit) |  | 10,107 |  | 622 |  | 337 |  | $(1,673)$ |  | 9,393 |
| Net income (loss) | \$ | 28,807 | \$ | 1,603 | \$ | 3,101 | \$ | $(3,174)$ | \$ | 30,337 |
| Total assets | \$ | 5,478,515 | \$ | 88,320 | \$ | 19,398 | \$ | $(40,178)$ | \$ | 5,546,055 |
| (dollars in thousands) |  | Banking |  | ial FHA <br> in and ing |  | alth <br> gement |  | Other |  | Total |
| Three Months Ended June 30, 2018 |  |  |  |  |  |  |  |  |  |  |
| Net interest income (expense) | \$ | 51,050 | \$ | (95) | \$ | - | \$ | $(2,669)$ | \$ | 48,286 |
| Provision for loan losses |  | 1,854 |  | - |  | - |  | - |  | 1,854 |
| Noninterest income |  | 5,681 |  | 447 |  | 5,316 |  | 4,403 |  | 15,847 |
| Noninterest expense |  | 38,216 |  | 4,718 |  | 3,257 |  | 261 |  | 46,452 |
| Income (loss) before income taxes (benefit) |  | 16,661 |  | $(4,366)$ |  | 2,059 |  | 1,473 |  | 15,827 |
| Income taxes (benefit) |  | 5,201 |  | $(1,402)$ |  | 151 |  | (905) |  | 3,045 |
| Net income (loss) | \$ | 11,460 | \$ | $(2,964)$ | \$ | 1,908 | \$ | 2,378 | \$ | 12,782 |
| Total assets | \$ | 5,780,313 | \$ | 94,481 | \$ | $\underline{17,171}$ | \$ | $(161,365)$ | \$ | 5,730,600 |
|  |  |  |  |  |  |  |  |  |  |  |
| Six Months Ended June 30, 2018 |  |  |  |  |  |  |  |  |  |  |
| Net interest income (expense) | \$ | 91,766 | \$ | (58) | \$ | - | \$ | $(5,237)$ | \$ | 86,471 |
| Provision for loan losses |  | 3,860 |  | - |  | - |  | - |  | 3,860 |
| Noninterest income |  | 14,698 |  | 3,968 |  | 9,395 |  | 4,288 |  | 32,349 |
| Noninterest expense |  | 82,582 |  | 8,256 |  | 5,643 |  | (530) |  | 95,951 |
| Income (loss) before income taxes (benefit) |  | 20,022 |  | $(4,346)$ |  | 3,752 |  | (419) |  | 19,009 |
| Income taxes (benefit) |  | 6,580 |  | (995) |  | 292 |  | $(1,456)$ |  | 4,421 |
| Net income (loss) | \$ | 13,442 | \$ | $(3,351)$ | \$ | 3,460 | \$ | 1,037 | \$ | 14,588 |
| Total assets | \$ | 5,780,313 | \$ | 94,481 | \$ | 17,171 | \$ | $(161,365)$ | \$ | 5,730,600 |

## Note 18 - Related Party Transactions

The Company utilizes the services of a company to act as a general manager for the construction of new facilities. A member of our board of directors is a substantial shareholder of this company and currently serves as its Chairman. During the three and six months ended June 30,2019 , the Company paid $\$ 325,000$ and $\$ 535,000$, respectively, to this company for work on various projects, which was approved in accordance with the Company's related party transaction policy.

## Note 19 - Revenue From Contracts with Customers

On January 1, 2018, the Company adopted ASU No. 2014-09 "Revenue from Contracts with Customers" (Topic 606) and all subsequent ASUs that modified Topic 606. As stated in "Note 2 - Basis of Presentation and Summary of Significant Accounting Policies," the implementation of the new standard did not have a material impact on the measurement or recognition of revenue. Since the impact of applying the standard was determined to be immaterial, the Company did not record a cumulative effect adjustment to beginning retained earnings on January 1, 2018. Results for reporting periods beginning after January 1,2018 are presented under Topic 606, while prior period amounts were not adjusted and continue to be reported in accordance with previous GAAP.

Topic 606 does not apply to revenue associated with financial instruments, including revenue from loans and investment securities. In addition, certain noninterest income streams such as commercial FHA revenue, residential mortgage banking revenue and gain on sales of investment securities, net are also not in scope of the new guidance. Topic 606 is applicable to noninterest income streams such as wealth management revenue, service charges on deposit accounts, interchange revenue, gain on sales of other real estate owned, and certain other noninterest income streams. The recognition of revenue associated with these noninterest income streams did not change significantly from current practice upon adoption of Topic 606. The noninterest income streams considered in-scope by Topic 606 are discussed below.

## Wealth Management Revenue

Wealth management revenue is primarily comprised of fees earned from the management and administration of trusts and other customer assets. The Company also earns investment advisory fees through its SEC registered investment advisory subsidiary. The Company's performance obligation in both of these instances is generally satisfied over time and the resulting fees are recognized monthly, based upon the month-end market value of the assets under management and contractually determined fee schedules. Payment is generally received a few days after month end through a direct charge to each customer's account. The Company does not earn performance-based incentives. Optional services such as real estate sales and tax return preparation services are also available to existing trust and asset management customers. The Company's performance obligation for these transactional-based services is generally satisfied, and related revenue recognized, at a point in time (i.e., as incurred). Payment is received shortly after services are rendered. Fees generated from transactions executed by the Company's third party broker dealer are remitted by them to the Company on a monthly basis for that month's transactional activity.

## Service Charges on Deposit Accounts

Service charges on deposit accounts consist of fees received under depository agreements with customers to provide access to deposited funds, serve as custodian of deposited funds, and when applicable, pay interest on deposits. These service charges primarily include non-sufficient fund fees and other account related service charges. Non-sufficient fund fees are earned when a depositor presents an item for payment in excess of available funds, and the Company, at its discretion, provides the necessary funds to complete the transaction. The Company generates other account related service charge revenue by providing depositors proper safeguard and remittance of funds as well as by delivering optional services for depositors, such as check imaging or treasury management, that are performed upon the depositor's request. The Company's performance obligation for the proper safeguard and remittance of funds, monthly account analysis and any other monthly service fees is generally satisfied, and the related revenue recognized, over the period in which the service is provided. Payment for service charges on deposit accounts is typically received immediately or in the following month through a direct charge to a customer's account.

## Interchange Revenue

Interchange revenue includes debit / credit card income and ATM user fees. Card income is primarily comprised of interchange fees earned for standing ready to authorize and providing settlement on card transactions processed through the MasterCard interchange network. The levels and structure of interchange rates are set by MasterCard and can vary based on cardholder purchase volumes. Interchange fees from cardholder transactions represent a percentage of the underlying transaction value and are recognized daily, concurrently with completion of the Company's performance obligation, the transaction processing services provided to the cardholder. Payment is typically received immediately or in the following month. ATM fees are primarily generated when a Company cardholder withdraws funds from a non-Company ATM or a nonCompany cardholder withdraws funds from a Company ATM. The Company satisfies its performance obligation for each transaction at the point in time when the ATM withdrawal is processed.

## Gain on Sales of Other Real Estate Owned

The Company records a gain or loss from the sale of other real estate owned ("OREO") when control of the property transfers to the buyer, which generally occurs at the time of an executed deed. When the Company finances the sale of OREO to a buyer, the Company assesses whether the buyer is committed to perform their obligations under the contract and whether collectability of the transaction price is probable. Once these criteria are met, the OREO asset is derecognized and the gain or loss on sale is recorded upon transfer of control of the property to the buyer. In determining the gain or loss on the sale, the Company adjusts the transaction price and related gain or loss on sale if a significant financing component is present.

## Other Noninterest Income

The other noninterest income revenue streams within the scope of Topic 606 consist of merchant services revenue, safe deposit box rentals, wire transfer fees, paper statement fees, check printing commissions, and other noninterest related fees. Revenue from the Company's merchant services business consists principally of transaction and account management fees charged to merchants for the electronic processing of transactions. These fees are net of interchange fees paid to the credit card issuing bank, card company assessments, and revenue sharing amounts. Account management fees are considered earned at the time the merchant's transactions are processed or other services are performed. Fees related to the other components of other noninterest income within the scope of Topic 606 are largely transactional based, and therefore, the Company's performance obligation is satisfied and related revenue recognized, at the point in time the customer uses the selected service to execute a transaction.

The following presents noninterest income, segregated by revenue streams in-scope and out-of-scope of Topic 606, for the three and six months ended June 30, 2019 and 2018.

| (dollars in thousands) | Three Months Ended June 30, |  |  |  | Six Months Ended June 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  | 2018 |  | 2019 |  | 2018 |  |
| Noninterest income - in-scope of Topic 606 |  |  |  |  |  |  |  |  |
| Wealth management revenue: |  |  |  |  |  |  |  |  |
| Trust management/administration fees | \$ | 4,082 | \$ | 4,322 | \$ | 7,699 | \$ | 7,441 |
| Investment advisory fees |  | 539 |  | 495 |  | 1,068 |  | 960 |
| Investment brokerage fees |  | 232 |  | 286 |  | 451 |  | 550 |
| Other |  | 651 |  | 213 |  | 1,239 |  | 444 |
| Service charges on deposit accounts: |  |  |  |  |  |  |  |  |
| Nonsufficient fund fees |  | 1,801 |  | 1,991 |  | 3,555 |  | 3,441 |
| Other |  | 838 |  | 702 |  | 1,604 |  | 1,219 |
| Interchange revenues |  | 3,010 |  | 2,929 |  | 5,690 |  | 4,974 |
| Other income: |  |  |  |  |  |  |  |  |
| Merchant services revenue |  | 389 |  | 460 |  | 764 |  | 798 |
| Other |  | 788 |  | 687 |  | 1,606 |  | 1,747 |
| Noninterest income - out-of-scope of Topic 606 |  | 7,257 |  | 3,762 |  | 12,986 |  | 10,775 |
| Total noninterest income | \$ | 19,587 | \$ | 15,847 | \$ | 36,662 | \$ | 32,349 |

## Contract Balances

A contract asset balance occurs when an entity performs a service for a customer before the customer pays consideration (resulting in a contract receivable) or before payment is due (resulting in a contract asset). A contract liability balance is an entity's obligation to transfer a service to a customer for which the entity has already received payment (or payment is due) from the customer. The Company's noninterest revenue streams are largely based on transactional activity, or standard month-end revenue accruals such as asset management fees based on month-end market values. Consideration is often received immediately or shortly after the Company satisfies its performance obligation and revenue is recognized. The Company does not typically enter into long-term revenue contracts with customers, and therefore, does not experience significant contract balances. As of June 30, 2019 and December 31, 2018, the Company did not have any significant contract balances.

## Contract Acquisition Costs

In connection with the adoption of Topic 606, an entity is required to capitalize, and subsequently amortize into expense, certain incremental costs of obtaining a contract with a customer if these costs are expected to be recovered. The incremental costs of obtaining a contract are those costs that an entity incurs to obtain a contract with a customer that it would not have incurred if the contract had not been obtained (for example, sales commission). The Company utilizes the practical expedient which allows entities to immediately expense contract acquisition costs when the asset that would have resulted from capitalizing these costs would have been amortized in one year or less. Upon adoption of Topic 606, the Company did not capitalize any contract acquisition costs.

## Note 20 - Subsequent Events

## Acquisition of HomeStar Financial Group, Inc. - Completed on July 17, 2019

On July 17, 2019, the Company completed its acquisition of HomeStar Financial Group, Inc. ("HomeStar"), and its wholly owned subsidiary, HomeStar Bank and Financial Services, which operates 5 full-service banking centers in northern Illinois, for total consideration of $\$ 11.4$ million, consisting of $\$ 1.0$ million in cash and 405,000 shares of the Company's common stock. The Company has not yet determined the estimated acquisition date fair values for identifiable assets acquired and liabilities assumed. As of June 30, 2019, HomeStar had approximately $\$ 370.4$ million in assets, $\$ 219.5$ million in loans and $\$ 321.8$ million in deposits. The Company anticipates there will be goodwill and core deposit intangibles recorded with this acquisition.

## Redemption of Fixed Rate Non-Voting Perpetual Non-Cumulative Preferred Stock, Series H

On July 29 , 2019, the Company redeemed, in whole, the shares of Series H preferred stock. The per share price paid by the Company for such shares for Series $H$ preferred stock was equal to $\$ 1,000$ per share plus any unpaid dividends.

## Stock Repurchase Program

On August 6, 2019, the Board of Directors also approved a stock repurchase program that authorizes the Company to repurchase up to $\$ 25.0$ million of its common stock. Stock repurchases under the program may be made from time to time on the open market, in privately negotiated transactions, or in any other manner that complies with applicable securities laws, at the discretion of the Company. The program will be in effect until June 30, 2020, with the timing of purchases and the number of shares repurchased under the program dependent upon a variety of factors including price, trading volume, corporate and regulatory requirements and market conditions. The repurchase program may be suspended or discontinued at any time without notice.

## Item 2 - Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion explains our financial condition and results of operations as of and for the three and six months ended June 30, 2019. Annualized results for this interim period may not be indicative of results for the full year or future periods. The following discussion and analysis should be read in conjunction with the consolidated financial statements and related notes presented elsewhere in this report and our Annual Report on Form 10-K for the year ended December 31, 2018, filed with the SEC on February 28, 2019.

In addition to the historical information contained herein, this Form 10-Q includes "forward-looking statements" within the meaning of such term in the Private Securities Litigation Reform Act of 1995. These statements are subject to many risks and uncertainties, including changes in interest rates and other general economic, business and political conditions, including changes in the financial markets; changes in business plans as circumstances warrant; risks related to mergers and acquisitions and the integration of acquired businesses; and other risks detailed from time to time in filings made by the Company with the SEC. Readers should note that the forward-looking statements included herein are not a guarantee of future events, and that actual events may differ materially from those made in or suggested by the forwardlooking statements. Forward-looking statements generally can be identified by the use of forward-looking terminology such as "will," "propose," "may," "plan," "seek," "expect," "intend," "estimate," "anticipate," "believe," or "continue," or similar terminology. Any forward-looking statements presented herein are made only as of the date of this document, and we do not undertake any obligation to update or revise any forward-looking statements to reflect changes in assumptions, the occurrence of unanticipated events, or otherwise.

## Significant Transactions

Each item listed below materially affects the comparability of our results of operations for the three and six months ended June 30, 2019 and 2018, and our financial condition as of June 30, 2019 and December 30, 2018, and may affect the comparability of financial information we report in future fiscal periods.

Recent Acquisitions. On February 28, 2018, the Company acquired Alpine for total consideration valued at approximately $\$ 173.2$ million. Consideration transferred by the Company consisted of $\$ 33.3$ million in cash and $4,463,200$ shares of common stock. All identifiable assets acquired and liabilities assumed were adjusted to fair value as of February 28 , 2018, and the results of Alpine's operations have been included in the consolidated statements of income beginning on that date. Intangible assets recognized as a result of the transaction consisted of $\$ 66.0$ million in goodwill, $\$ 6.3$ million in customer relationship intangibles and $\$ 21.1$ million in core deposit intangibles.

Purchased Loans. Our net interest margin benefits from favorable changes in expected cash flows on our PCI loans and from accretion income associated with purchase accounting discounts established on the non-PCI loans included in our acquisitions. Our reported net interest margin for the three months ended June 30, 2019 and 2018 was $3.76 \%$ and $3.91 \%$, respectively. Accretion income associated with accounting discounts established on loans acquired totaled $\$ 3.4$ million and $\$ 5.5$ million for the three months ended June 30,2019 and 2018 , respectively, increasing the reported net interest margin by 25 and 40 basis points for each respective period. The reported net interest margin for the six months ended June 30, 2019 and 2018 was $3.75 \%$ and $3.81 \%$, respectively. Accretion income associated with purchase accounting discounts established on loans acquired totaled $\$ 5.9$ million and $\$ 7.4$ million for the six months ended June 30, 2019 and 2018, respectively, increasing the reported net interest margin by 21 and 29 points for each respective period.

## Results of Operations

Net Interest Income. Our primary source of revenue is net interest income, which is the difference between interest income from interest-earning assets (primarily loans and securities) and interest expense of funding sources (primarily interest-bearing deposits and borrowings). Net interest income is influenced by many factors, primarily the volume and mix of interest-earning assets, funding sources, and interest rate fluctuations. Noninterest-bearing sources of funds, such as demand deposits and shareholders' equity, also support earning assets. The impact of the noninterest-bearing sources of funds is captured in net interest margin, which is calculated as net interest income divided by average interest-earning assets. Net interest margin is presented on a tax-equivalent basis, which means that tax-free interest income has been adjusted to a pretax-equivalent income, assuming a federal income tax rate of $21 \%$ for the three and six months ended June 30, 2019 and 2018.

As described above, one of the factors that impact net interest income is interest rate fluctuations. The Federal Reserve implemented quarterly interest rate increases in 2018, with the last increase of 25 basis points in December 2018. These increases impact the comparability of net interest income between 2018 and 2019 as further discussed below. The Federal Reserve has not changed interest rates in the first half of 2019.

During the three months ended June 30, 2019, net interest income (on a tax-equivalent basis) was $\$ 46.6$ million as compared to $\$ 48.8$ million for the comparative prior year quarter. The tax-equivalent net interest margin was $3.76 \%$ for the second quarter of 2019 compared to $3.91 \%$ in the second quarter of 2018 .

During the six months ended June 30, 2019, we generated $\$ 92.7$ million of net interest income (on a tax-equivalent basis), which was an increase of $\$ 5.3$ million, or $6.11 \%$, from $\$ 87.4$ million during the six months ended June 30,2018 . The tax-equivalent net interest margin was $3.75 \%$ for the first six months of 2019 compared to $3.81 \%$ for the first six months of 2018.

Average Balance Sheet, Interest and Yield/Rate Analysis. The following tables present average balance sheet information, interest income, interest expense and the corresponding average yields earned and rates paid for the three and six months ended June 30, 2019 and 2018. The average balances are principally daily averages and, for loans, include both performing and nonperforming balances. Interest income on loans includes the effects of discount accretion and net deferred loan origination costs accounted for as yield adjustments.


[^1]| (tax-equivalent basis, dollars in thous | Six Months Ended June 30, |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  |  |  | 2018 |  |  |  |  |
|  | Average <br> Balance | Interest \& Fees |  | $\begin{gathered} \text { Yield / } \\ \text { Rate } \end{gathered}$ | Average Balance |  | Interest \& Fees |  | Yield / <br> Rate |
| EARNING ASSETS: |  |  |  |  |  |  |  |  |  |
| Federal funds sold and cash investments | \$ 157, 122 | \$ | 1,889 | 2.42 \% | \$ | 183,133 | \$ | 1,535 | 1.69 \% |
| Investment securities: |  |  |  |  |  |  |  |  |  |
| Taxable investment securities | 494,472 |  | 7,289 | 2.95 |  | 486,458 |  | 6,399 | 2.63 |
| Investment securities exempt from federal income tax ${ }^{(1)}$ | 151,333 |  | 2,693 | 3.56 |  | 153,640 |  | 2,850 | 3.71 |
| Total securities | 645,805 |  | 9,982 | 3.09 |  | 640,098 |  | 9,249 | 2.89 |
| Loans: |  |  |  |  |  |  |  |  |  |
| Loans (2) | 3,999,991 |  | 104,903 | 5.29 |  | 3,648,407 |  | 91,730 | 5.07 |
| Loans exempt from federal income tax ${ }^{(1)}$ | 107,699 |  | 2,395 | 4.48 |  | 83,426 |  | 1,606 | 3.88 |
| Total loans | 4,107,690 |  | 107,298 | 5.27 |  | 3,731,833 |  | 93,336 | 5.04 |
| Loans held for sale | 35,511 |  | 750 | 4.26 |  | 36,003 |  | 723 | 4.05 |
| Nonmarketable equity securities | 44,248 |  | 1,218 | 5.55 |  | 36,892 |  | 881 | 4.82 |
| Total earning assets | 4,990,376 | \$ | 121,137 | 4.90 \% |  | 4,627,959 | \$ | 105,724 | 4.61 \% |
| Noninterest-earning assets | 618,507 |  |  |  |  | 588,592 |  |  |  |
| Total assets | \$ 5,608,883 |  |  |  | \$ | 5,216,551 |  |  |  |
| INTEREST-BEARING LIABILITIES |  |  |  |  |  |  |  |  |  |
| Checking and money market deposits | \$ 1,774,319 | \$ | 6,683 | 0.76 \% | \$ | 1,702,919 | \$ | 3,576 | 0.42 \% |
| Savings deposits | 449,682 |  | 445 | 0.20 |  | 405,302 |  | 351 | 0.17 |
| Time deposits | 701,460 |  | 6,481 | 1.86 |  | 612,507 |  | 3,285 | 1.08 |
| Brokered deposits | 175,396 |  | 2,191 | 2.52 |  | 197,685 |  | 1,910 | 1.95 |
| Total interest-bearing deposits | 3,100,857 |  | 15,800 | 1.03 |  | 2,918,413 |  | 9,122 | 0.63 |
| Short-term borrowings | 128,058 |  | 447 | 0.70 |  | 134,671 |  | 240 | 0.36 |
| FHLB advances and other borrowings | 640,087 |  | 7,388 | 2.33 |  | 531,567 |  | 4,453 | 1.69 |
| Subordinated debt | 94,176 |  | 3,028 | 6.43 |  | 94,014 |  | 3,028 | 6.44 |
| Trust preferred debentures | 47,915 |  | 1,727 | 7.27 |  | 47,431 |  | 1,474 | 6.27 |
| Total interest-bearing liabilities | 4,011,093 | \$ | 28,390 | 1.43 \% |  | 3,726,096 | \$ | 18,317 | 0.99 \% |
| NONINTEREST-BEARING LIABILITIES |  |  |  |  |  |  |  |  |  |
| Noninterest-bearing deposits | 920,156 |  |  |  |  | 904,409 |  |  |  |
| Other noninterest-bearing liabilities | 56,124 |  |  |  |  | 44,012 |  |  |  |
| Total noninterest-bearing liabilities | 976,280 |  |  |  |  | 948,421 |  |  |  |
| Shareholders' equity | 621,510 |  |  |  |  | 542,034 |  |  |  |
| Total liabilities and shareholders' equity | \$ 5,608,883 |  |  |  | \$ | 5,216,551 |  |  |  |
| Net interest income / net interest margin ${ }^{(3)}$ |  | \$ | $\underline{92,747}$ | 3.75 \% |  |  | \$ | 87,407 | 3.81 \% |

[^2]Interest Rates and Operating Interest Differential. Increases and decreases in interest income and interest expense result from changes in average balances (volume) of interest-earning assets and interest-bearing liabilities, as well as changes in average interest rates. The following table shows the effect that these factors had on the interest earned on our interestearning assets and the interest incurred on our interest-bearing liabilities. The effect of changes in volume is determined by multiplying the change in volume by the previous period's average rate. Similarly, the effect of rate changes is calculated by multiplying the change in average rate by the previous period's volume. Changes which are not due solely to volume or rate have been allocated proportionally to the change due to volume and the change due to rate.

| (tax-equivalent basis, dollars in thousands) | Three Months Ended June 30, 2019 Compared with <br> Three Months Ended June 30, 2018 |  |  |  |  |  | Six Months Ended June 30, 2019 Compared with <br> Six Months Ended June 30, 2018 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Change due to: |  |  |  | Interest Variance |  | Change due to: |  |  |  | Interest Variance |  |
|  | Volume |  | Rate |  |  |  | Volume |  | Rate |  |  |  |
| EARNING ASSETS: |  |  |  |  |  |  |  |  |  |  |  |  |
| Federal funds sold and cash investments | \$ | (343) | \$ | 311 | \$ | (32) | \$ | (265) | \$ | 619 | \$ | 354 |
| Investment securities: |  |  |  |  |  |  |  |  |  |  |  |  |
| Taxable investment securities |  | (472) |  | 322 |  | (150) |  | 112 |  | 778 |  | 890 |
| Investment securities exempt from federal income tax |  | (245) |  | 25 |  | (220) |  | (42) |  | (115) |  | (157) |
| Total securities |  | (717) |  | 347 |  | (370) |  | 70 |  | 663 |  | 733 |
| Loans: |  |  |  |  |  |  |  |  |  |  |  |  |
| Loans |  | 1,310 |  | 1,012 |  | 2,322 |  | 9,030 |  | 4,143 |  | 13,173 |
| Loans exempt from federal income tax |  | 47 |  | 99 |  | 146 |  | 503 |  | 286 |  | 789 |
| Total loans |  | 1,357 |  | 1,111 |  | 2,468 |  | 9,533 |  | 4,429 |  | 13,962 |
| Loans held for sale |  | 93 |  | 63 |  | 156 |  | (10) |  | 37 |  | 27 |
| Nonmarketable equity securities |  | 69 |  | 46 |  | 115 |  | 189 |  | 148 |  | 337 |
| Total earning assets | \$ | 459 | \$ | 1,878 | \$ | 2,337 | \$ | 9,517 | \$ | 5,896 | \$ | 15,413 |
| INTEREST-BEARING LIABILITIES: |  |  |  |  |  |  |  |  |  |  |  |  |
| Checking and money market deposits | \$ | (128) | \$ | 1,509 | \$ | 1,381 | \$ | 210 | \$ | 2,897 | \$ | 3,107 |
| Savings deposits |  | (7) |  | 42 |  | 35 |  | 41 |  | 53 |  | 94 |
| Time deposits |  | 351 |  | 1,593 |  | 1,944 |  | 650 |  | 2,546 |  | 3,196 |
| Brokered deposits |  | (222) |  | 294 |  | 72 |  | (247) |  | 528 |  | 281 |
| Total interest-bearing deposits |  | (6) |  | 3,438 |  | 3,432 |  | 654 |  | 6,024 |  | 6,678 |
| Short-term borrowings |  | - |  | 94 |  | 94 |  | (17) |  | 224 |  | 207 |
| FHLB advances and other borrowings |  | 177 |  | 782 |  | 959 |  | 1,081 |  | 1,854 |  | 2,935 |
| Subordinated debt |  | 3 |  | (3) |  | - |  | 5 |  | (5) |  | - |
| Trust preferred debentures |  | 8 |  | 69 |  | 77 |  | 16 |  | 237 |  | 253 |
| Total interest-bearing liabilities | \$ | 182 | \$ | 4,380 | \$ | 4,562 | \$ | 1,739 | \$ | 8,334 | \$ | 10,073 |
| Net interest income | \$ | 277 | \$ | $\underline{(2,502)}$ | \$ | $(2,225)$ | \$ | 7,778 | \$ | $(2,438)$ | \$ | 5,340 |

Interest Income. The $\$ 2.5$ million, or $4.8 \%$, increase in interest income on loans (on a tax-equivalent basis) for the second quarter of 2019 was primarily due to a $2.6 \%$ increase in the average balance of loans outstanding combined with an 11 basis point increase in the average yield. The increase in the average balance of loans outstanding was primarily due to growth in commercial loans, construction and land development loans, and lease financings. The increase in the average yield on loans was mainly due to the impact of higher market interest rates. Accretion income associated with accounting discounts established on loans acquired totaled $\$ 3.4$ million and $\$ 5.5$ million for the three months ended June 30,2019 and 2018, respectively, increasing the reported net interest margin by 25 and 40 basis points for each respective period.

For the six months ended June 30,2019 , the $\$ 14.0$ million, or $15.0 \%$, increase in interest income on loans was primarily due to a $10.1 \%$ increase in the average balance of loans outstanding combined with a 23 basis point increase in the average yield. The average balance increase was primarily due to a full six month effect of loans added from Alpine in February 2018. The reported yield on total loans for the six months ended June 30, 2019 and 2018 was $5.27 \%$ and $5.04 \%$, respectively. The increase in the average yield on loans was mainly due to the impact of higher rates on new and renewed loans as compared to the same period last year. Accretion income associated with purchase accounting discounts established on loans acquired totaled $\$ 5.9$ million and $\$ 7.4$ million for the six months ended June 30, 2019 and 2018, respectively, increasing the reported net interest margin by 21 and 29 basis points for each respective period.

Interest income on our investment securities portfolio on a tax-equivalent basis decreased $\$ 0.4$ million for the three months ended June 30,2019 compared to the prior year period, which was mainly attributable to decreases in the average balance of investment securities of $12.9 \%$, partially offset by a 20 basis point increase in the average yield. The decrease in average balance was primarily attributable to the liquidation of the securities in the U.S. Treasury portfolio, which were reinvested in other assets, including corporate securities and loans, as well as a higher level of paydowns of agency mortgage backed securities and municipal securities during the second quarter of 2019. The increase in the average yield was driven by higher market rates.

For the six months ended June 30, 2019, the $\$ 0.7$ million, or $7.9 \%$, increase in interest income on our investment securities portfolio on a tax-equivalent basis was primarily attributable to a 20 basis point increase in the average yield. The increase in the rate was driven by higher market rates.

Interest Expense. Interest expense on interest-bearing liabilities increased $\$ 4.6$ million to $\$ 14.6$ million for the second quarter of 2019 , and $\$ 10.1$ million to $\$ 28.4$ million for the six months ended June $30,2019$.

Interest expense on deposits increased to $\$ 8.4$ million for the three months ended June 30,2019 from $\$ 5.0$ million for the comparable period in 2018 . The $\$ 3.4$ million, or $68.6 \%$, increase in interest expense on deposits for the second quarter of 2019 was primarily due to a 45 basis point increase in the average rate paid. The increase in the average rates paid was primarily due to the impact of market competition.

For the six month period June 30,2019 , the $\$ 6.7$ million, or $73.2 \%$, increase in interest expense on deposits was mainly attributable to a 40 basis point increase in the average rate paid coupled with the average balance of deposits increasing $6.3 \%$. The increase in the average rates paid were primarily due to market competition. The increases in the average balance of deposits reflected the addition of $\$ 770.2$ million of interest-bearing deposits from Alpine in February 2018.

Interest expense on borrowings increased to $\$ 6.1$ million for the three months ended June 30,2019 as compared to $\$ 5.0$ million for the comparable period in 2018 . The $\$ 1.1$ million increase in interest expense on borrowings for the three months ended June 30, 2019 was primarily due to the impact of higher market interest rates on new FHLB advances and our variable rate trust preferred debentures combined with the expanded usage of FHLB advances as a short-term and long-term funding source.

For the six months ended June 30, 2019, the $\$ 3.4$ million increase in interest expense on borrowings to $\$ 12.6$ million from $\$ 9.2$ million for the first six months of 2018 was primarily attributable to the impact of higher market interest rates on new FHLB advances and the addition of $\$ 18.1$ million of FHLB advances assumed from Alpine.

Provision for Loan Losses. The provision for loan losses totaled $\$ 4.1$ million and $\$ 1.9$ million for the three months ended June 30, 2019 and 2018, respectively. The increase in provision for loan losses was primarily driven by an increase in specific reserves on a credit placed on nonaccrual in the second quarter of 2019.

The provision for loan losses totaled $\$ 7.3$ million and $\$ 3.9$ million for the six months ended June 30, 2019 and 2018 , respectively. The increase in provision for loan losses was primarily attributable to an increase in specific reserves on two credits placed on nonaccrual and a downgrade of one commercial real estate loan and one residential real estate loan during the first half of 2019.

Noninterest Income. The following table sets forth the major components of our noninterest income for the three and six months ended June 30, 2019 and 2018:

| (dollars in thousands) | Three Months Ended June 30, |  |  |  | Increase (decrease) |  | Six Months Ended June 30, |  |  | Increase <br> (decrease) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2019 | 2018 |  |  |  | 2019 |  | 2018 |  |  |
| Noninterest income: |  |  |  |  |  |  |  |  |  |  |  |
| Wealth management revenue | \$ | 5,504 | \$ | 5,316 | \$ | 188 | \$ 10,457 | \$ | 9,395 | \$ | 1,062 |
| Commercial FHA revenue |  | 4,917 |  | 326 |  | 4,591 | 8,187 |  | 3,656 |  | 4,531 |
| Residential mortgage banking revenue |  | 611 |  | 2,116 |  | $(1,505)$ | 1,445 |  | 3,534 |  | $(2,089)$ |
| Service charges on deposit accounts |  | 2,639 |  | 2,693 |  | (54) | 5,159 |  | 4,660 |  | 499 |
| Interchange revenue |  | 3,010 |  | 2,929 |  | 81 | 5,690 |  | 4,974 |  | 716 |
| Gain (loss) on sales of investment securities, net |  | 14 |  | (70) |  | 84 | 14 |  | (5) |  | 19 |
| (Loss) gain on sales of other real estate owned |  | (12) |  | 166 |  | (178) | 54 |  | 473 |  | (419) |
| Other income |  | 2,904 |  | 2,371 |  | 533 | 5,656 |  | 5,662 |  | (6) |
| Total noninterest income |  | 19,587 | \$ | 15,847 | \$ | 3,740 | $\underline{\$ 36,662}$ |  | 32,349 | \$ | 4,313 |

Wealth management revenue. Noninterest income from our wealth management business increased $\$ 1.1$ million for the six months ended June 30, 2019, primarily due to an increase in trust fees and the addition of $\$ 1.0$ billion of wealth management assets under administration from the Alpine acquisition in February 2018.

Commercial FHA revenue. The $\$ 4.6$ million increase in commercial FHA revenue for the three months ended June 30, 2019 is attributable to an increase in gain premiums, partially offset by lower loan costs. Interest rate lock commitments increased to $\$ 42.2$ million in the second quarter of 2019 from $\$ 11.1$ million for the comparable period in 2018. Included in the increase of commercial FHA revenue was a $\$ 0.6$ million recapture of mortgage servicing rights in the second quarter of 2019 as compared to $\$ 0.5$ million of impairment in the second quarter of 2018.

For the six months ended June 30, 2019, the $\$ 4.5$ million increase in commercial FHA revenue was driven by an increase in gain premiums, partially offset by lower loan costs as compared to the first half of 2018. Interest rate lock commitments increased to $\$ 106.7$ million from $\$ 91.5$ million for the six months ended June 30,2019 and 2018, respectively Included in the increase was a $\$ 0.6$ million recapture of mortgage servicing rights in the first half of 2019 as compared to $\$ 0.6$ million of impairment for the comparable period in 2018.

Residential mortgage banking revenue. The decrease of $\$ 1.5$ million of residential mortgage banking revenue for the three months ended June 30, 2019 was primarily attributable to a decrease in servicing fees as a result of the reduction of residential mortgage loans serviced for others due to the sale of residential mortgage servicing rights during 2018 and the first quarter of 2019 and a decline in closed production and interest rate lock commitments that were due in part to a smaller loan production team as compared to the three months ended June 30, 2018.

For the six months ended June 30,2019 , the decrease of $\$ 2.1$ million of residential mortgage banking revenue was primarily attributable to a decrease in servicing fees as a result of the reduction of residential mortgage loans serviced for others due to the sale of residential mortgage servicing rights during 2018 and the first quarter of 2019 and a decline in closed production and interest rate lock commitments that were due in part to a smaller loan production team as compared to the first half of 2018 .

Noninterest Expense. The following table sets forth the major components of noninterest expense for the three and six months ended June 30, 2019 and 2018:


Salaries and employee benefits. The $\$ 2.3$ million decrease in salaries and employee benefits expense during the three months ended June 30, 2019 as compared to the same period in 2018 was primarily driven by a decrease in average fulltime equivalent employees after the integration of Alpine into the Bank in the third quarter of 2018.

For the six months ended June 30, 2019, the $\$ 8.7$ million decrease in salaries and employee benefits was mainly due to the incurrence of Alpine acquisition expenses of change in control payments, severance costs and other benefit-related expenses in the first half of 2018.

Professional fees. For the six months ended June 30, 2019, the $\$ 2.5$ million decrease in professional fees was primarily due to the decrease in professional fees incurred on various technology and other integration projects related to the Alpine acquisition.

Other noninterest expense. The decrease in other noninterest expense of $\$ 1.7$ million and $\$ 2.0$ million for the three and six months ended June 30, 2019, respectively, as compared to the same periods in 2018 was primarily due to certain nonrecurring items that impacted expense levels during the second quarter and first half of 2018.

Income Tax Expense. Income tax expense was $\$ 5.0$ million and $\$ 3.0$ million for the three months ended June 30, 2019 and 2018 , respectively. The effective tax rate increased to $23.6 \%$ for the second quarter of 2019 as compared to $19.2 \%$ for the second quarter of 2018 . The effective tax rate in the second quarter of 2019 was negatively impacted by the state deferred tax assets and liabilities adjusted as a result of a decreased tax rate.

Income tax expense was $\$ 9.4$ million and $\$ 4.4$ million for the six months ended June 30, 2019 and 2018, respectively. The increase of the effective tax rate to $23.6 \%$ for the first half of 2019 as compared to $23.3 \%$ for the first half of 2018 was primarily due to the negative impact of the BOLI death benefit recorded in 2018.

## Financial Condition

Assets. Total assets decreased to $\$ 5.55$ billion at June 30, 2019, as compared to $\$ 5.64$ billion at December 31, 2018.

Loans. The loan portfolio is the largest category of our assets. At June 30, 2019, total loans were $\$ 4.07$ billion. The following table shows loans by non-PCI and PCI loan category as of June 30, 2019 and December 31, 2018:


Loans decreased $\$ 64.0$ million to $\$ 4.07$ billion at June 30, 2019 as compared to December 31, 2018. The decrease in loans was primarily due to several large loan payoffs and principal reductions in the commercial real estate portfolio in addition to payoffs and payments in the residential real estate and consumer portfolio during the first six months of 2019. These decreases were partially offset by organic loan growth primarily from our commercial equipment finance business.

The principal categories of our loan portfolio are discussed below:
Commercial loans. We provide a mix of variable and fixed rate commercial loans. The loans are typically made to small- and medium-sized manufacturing, wholesale, retail and service businesses for working capital needs, business expansions and farm operations. Commercial loans generally include lines of credit and loans with maturities of five years or less. The loans are generally made with business operations as the primary source of repayment, but may also include collateralization by inventory, accounts receivable and equipment, and generally include personal guarantees.

Commercial real estate loans. Our commercial real estate loans consist of both real estate occupied by the borrower for ongoing operations and non-owner occupied real estate properties. The real estate securing our existing commercial real estate loans includes a wide variety of property types, such as owner occupied offices, warehouses and production facilities, office buildings, hotels, mixed-use residential and commercial facilities, retail centers, multifamily properties and assisted living facilities. Our commercial real estate loan portfolio also includes farmland loans. Farmland loans are generally made to a borrower actively involved in farming rather than to passive investors.

Construction and land development loans. Our construction and land development loans are comprised of residential construction, commercial construction and land acquisition and development loans. Interest reserves are generally established on real estate construction loans.

Residential real estate loans. Our residential real estate loans consist of residential properties that generally do not qualify for secondary market sale.

Consumer loans. Our consumer loans include direct personal loans, indirect automobile loans, lines of credit and installment loans originated through home improvement specialty retailers and contractors. Personal loans are generally secured by automobiles, boats and other types of personal property and are made on an installment basis.

Lease financing. Our equipment leasing business provides financing leases to varying types of businesses, nationwide, for purchases of business equipment and software. The financing is secured by first priority interest in the financed asset and generally require monthly payments.

The following table shows the contractual maturities of our loan portfolio and the distribution between fixed and adjustable interest rate loans at June 30, 2019:

| (dollars in thousands) | June 30, 2019 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Within One Year |  | One Year to Five Years |  | After Five Years |  | Total |
|  | Fixed Rate | Adjustable Rate | Fixed Rate | Adjustable Rate | Fixed Rate | Adjustable Rate |  |
| Loans: |  |  |  |  |  |  |  |
| Commercial | \$ 31,134 | \$ 259,011 | \$ 338,291 | \$ 69,864 | \$ 115,192 | \$ 38,069 | \$ 851,561 |
| Commercial real estate | 194,061 | 75,981 | 784,195 | 182,278 | 60,661 | 227,193 | 1,524,369 |
| Construction and land development | 9,191 | 73,197 | 41,459 | 121,222 | 158 | 5,187 | 250,414 |
| Total commercial loans | 234,386 | 408,189 | 1,163,945 | 373,364 | 176,011 | 270,449 | 2,626,344 |
| Residential real estate | 5,382 | 7,234 | 21,675 | 40,030 | 197,346 | 280,739 | 552,406 |
| Consumer | 4,650 | 3,721 | 573,741 | 14,444 | 389 | 23 | 596,968 |
| Lease financing | 7,254 | - | 262,517 | - | 28,038 | - | 297,809 |
| Total loans | \$ 251,672 | \$419,144 | \$ 2,021,878 | \$427,838 | \$401,784 | \$551,211 | \$4,073,527 |

## Loan Quality

We use what we believe is a comprehensive methodology to monitor credit quality and prudently manage credit concentration within our loan portfolio. Our underwriting policies and practices govern the risk profile, credit and geographic concentration for our loan portfolio. We also have what we believe to be a comprehensive methodology to monitor these credit quality standards, including a risk classification system that identifies potential problem loans based on risk characteristics by loan type as well as the early identification of deterioration at the individual loan level. In addition to our allowance for loan losses, our purchase discounts on acquired loans provide additional protections against credit losses.

Discounts on PCI Loans. PCI loans are loans that have evidence of credit deterioration since origination and for which it is probable at the date of acquisition that we will not collect all contractually required principal and interest payments. These loans are recorded at estimated fair value on their purchase date without a carryover of the related allowance for loan losses. At June 30, 2019 and December 31, 2018, we had PCI loans totaling $\$ 34.5$ million and $\$ 43.0$ million, respectively. The decrease in PCI loans was primarily driven by a loan pay off and a loan transferred to OREO.

In determining the fair value of purchased credit-impaired loans at acquisition, we first determine the contractually required payments due, which represent the total undiscounted amount of all uncollected principal and interest payments, adjusted for the effect of estimated prepayments. We then estimate the undiscounted cash flows we expect to collect. We incorporate several key assumptions to estimate cash flows expected to be collected, including probability of default rates, loss given default assumptions and the amount and timing of prepayments. We calculate fair value by discounting the estimated cash flows we expect to collect using an observable market rate of interest, when available, adjusted for factors that a market participant would consider in determining fair value. We have aggregated certain credit-impaired loans acquired in the same transaction into pools based on common risk characteristics. A pool is accounted for as one asset with a single composite interest rate and an aggregate fair value and expected cash flows.

The difference between contractually required payments due and the cash flows expected to be collected, considering the impact of prepayments, is referred to as the nonaccretable difference. The nonaccretable difference, which is neither accreted into income nor recorded on our consolidated balance sheet, reflects estimated future credit losses expected to be incurred over the life of the loans. The excess of cash flows expected to be collected over the estimated fair value of PCI loans is referred to as the accretable yield. This amount is not recorded on our consolidated balance sheet, but is accreted into interest income over the remaining life of the loans or pool of loans, using the effective yield method. The outstanding customer balance for PCI loans totaled $\$ 45.0$ million and $\$ 56.9$ million as of June 30, 2019 and December 31, 2018, respectively.

Subsequent to acquisition, we periodically evaluate our estimates of cash flows expected to be collected. These evaluations, performed quarterly, require the continued use of key assumptions and estimates, similar to the initial estimate of fair value. Subsequent changes in the estimated cash flows expected to be collected may result in changes in the accretable yield and nonaccretable difference or reclassifications between accretable yield and the nonaccretable difference. Decreases in expected cash flows due to further credit deterioration will result in an impairment charge to the provision for loan losses, resulting in an increase to the allowance for loan losses and a reclassification from accretable yield to nonaccretable difference. Increases in expected cash flows due to credit improvements will result in an increase
in the accretable yield through a reclassification from the nonaccretable difference or as a reduction in the allowance for loan losses to the extent established on specific pools subsequent to acquisition. The adjusted accretable yield is recognized in interest income over the remaining life of the loan, or pool of loans.

The following table shows changes in the accretable yield for PCI loans for the three and six months ended June 30, 2019 and 2018:

| (dollars in thousands) | Three Months Ended June 30, |  |  |  | Six Months Ended June 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  | 2018 |  | 2019 |  | 2018 |  |
| Balance, beginning of period | \$ | 11,063 | \$ | 7,630 | \$ | 12,240 | \$ | 5,732 |
| New loans purchased - Alpine acquisition |  | - |  | - |  | - |  | 1,245 |
| Accretion |  | $(1,937)$ |  | $(1,190)$ |  | $(3,013)$ |  | $(2,351)$ |
| Other adjustments (including maturities, charge-offs, and impact of changes in timing of expected cash flows) |  | 194 |  | (181) |  | 88 |  | 479 |
| Reclassification from non-accretable |  | 1,079 |  | 5 |  | 1,084 |  | 1,159 |
| Balance, end of period | \$ | $\underline{10,399}$ | \$ | 6,264 | \$ | 10,399 | \$ | 6,264 |

As of June 30, 2019, the balance of accretable discounts on our PCI loan portfolio was $\$ 10.4$ million compared to $\$ 12.2$ million at December 31, 2018. We may not accrete the full amount of these discounts into interest income in future periods if the assets to which these discounts are applied do not perform according to our current expectations.

We have also recorded accretable discounts in purchase accounting for loans that are not considered PCI loans. Similar to the way in which we employ the fair value methodology for PCI loans, we consider expected prepayments and estimate the amount and timing of undiscounted cash flows in order to determine the accretable discount for non-PCI loans. Such discounts are accreted into income on a level yield basis.

Analysis of the Allowance for Loan Losses. The following table allocates the allowance for loan losses, or the allowance, by loan category:

| (dollars in thousands) | June 30, 2019 |  |  | December 31, 2018 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Book Value |  | \% (1) | Book Value |  | \% (1) |
| Loans: |  |  |  |  |  |  |
| Commercial | \$ | 10,115 | 1.19 \% | \$ | 9,524 | 1.17 \% |
| Commercial real estate |  | 8,639 | 0.57 |  | 4,723 | 0.29 |
| Construction and land development |  | 316 | 0.13 |  | 372 | 0.16 |
| Total commercial loans |  | 19,070 | 0.73 |  | 14,619 | 0.55 |
| Residential real estate |  | 2,424 | 0.44 |  | 2,041 | 0.35 |
| Consumer |  | 2,219 | 0.37 |  | 2,154 | 0.35 |
| Lease financing |  | 2,212 | 0.74 |  | 2,089 | 0.79 |
| Total allowance for loan losses | \$ | 25,925 | 0.64 | \$ | $\underline{\text { 20,903 }}$ | 0.51 |

(1) Represents the percentage of the allowance to total loans in the respective category.

The allowance and the balance of nonaccretable discounts represent our estimate of probable and reasonably estimable credit losses inherent in loans held for investment as of the respective balance sheet date. We assess the appropriateness of our allowance for non-PCI loans separately from our allowance for PCI loans.

The allowance for loan losses was $\$ 25.9$ million at June 30, 2019 compared to $\$ 20.9$ million at December 31, 2018 . The increase in the allowance at June 30, 2019 compared to December 31, 2018 was mainly attributable to an increase in specific reserves on two credits placed on nonaccrual and the downgrade of one commercial real estate loan and one residential real estate loan during the six months ended of 2019 .

Individual loans considered to be uncollectible are charged off against the allowance. Factors used in determining the amount and timing of charge-offs on loans include consideration of the loan type, length of delinquency, sufficiency of collateral value, lien priority and the overall financial condition of the borrower. Collateral value is determined using updated appraisals and/or other market comparable information. Charge-offs are generally taken on loans once the impairment is determined to be other-than-temporary. Recoveries on loans previously charged off are added to the allowance. Net charge-offs to average loans were $0.12 \%$ and $0.11 \%$ for the three and six months ended June 30, 2019, respectively, as compared to $0.13 \%$ for the year ended December 31, 2018.

Allowance for non-PCI loans. Our methodology for assessing the appropriateness of the allowance for non-PCI loans includes a general allowance for performing loans, which are grouped based on similar characteristics, and a specific allowance for individual impaired loans or loans considered by management to be in a high-risk category. General allowances are established based on a number of factors, including historical loss rates, an assessment of portfolio trends and conditions, accrual status and economic conditions.

For commercial and commercial real estate loans, a specific allowance may be assigned to individual loans based on an impairment analysis. Loans are considered impaired when it is probable that we will be unable to collect all amounts due according to the contractual terms of the loan agreement. The amount of impairment is based on an analysis of the most probable source of repayment, including the present value of the loan's expected future cash flows and the estimated market value or the fair value of the underlying collateral. Interest income on impaired loans is accrued as earned, unless the loan is placed on nonaccrual status.

Allowance for PCI loans. PCI loans are recorded at their estimated fair value at the date of acquisition, with the estimated fair value including a component for estimated credit losses. An allowance related to PCI loans may be recorded subsequent to acquisition if a PCI loan pool experiences a decrease in expected cash flows as compared to the expected cash flows projected in the previous quarter. Loans considered to be uncollectible are initially charged off against the specific loan pool's non-accretable difference. When the pool's non-accretable difference has been fully utilized, uncollectible amounts are charged off against the corresponding allowance.

The following table shows our allowance by loan portfolio and by non-PCI and PCI loans as of June 30, 2019 and December 31, 2018:

| (dollars in thousands) | June 30, 2019 |  |  |  |  | December 31, 2018 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Non-PCI <br> Loans | $\begin{gathered} \text { PCI } \\ \text { Loans } \end{gathered}$ |  | Total |  | Non-PCI <br> Loans |  | PCILoans |  | Total |  |
| Loans: |  |  |  |  |  |  |  |  |  |  |  |
| Commercial | \$ 10,099 | \$ | 16 | \$ | 10,115 | \$ | 9,419 | \$ | 105 | \$ | 9,524 |
| Commercial real estate | 7,876 |  | 763 |  | 8,639 |  | 3,879 |  | 844 |  | 4,723 |
| Construction and land development | 316 |  | - |  | 316 |  | 372 |  | - |  | 372 |
| Total commercial loans | 18,291 |  | 779 |  | 19,070 |  | 13,670 |  | 949 |  | 14,619 |
| Residential real estate | 2,017 |  | 407 |  | 2,424 |  | 1,605 |  | 436 |  | 2,041 |
| Consumer | 2,026 |  | 193 |  | 2,219 |  | 1,971 |  | 183 |  | 2,154 |
| Lease financing | 2,212 |  | - |  | 2,212 |  | 2,089 |  | - |  | 2,089 |
| Total allowance for loan losses | \$ 24,546 | \$ | 1,379 | \$ | 25,925 | \$ | 19,335 | \$ | 1,568 | \$ | 20,903 |

Provision for Loan Losses. In determining the allowance and the related provision for loan losses, we consider three principal elements: (i) valuation allowances based upon probable losses identified during the review of impaired commercial, commercial real estate, and construction and land development loans, (ii) allocations, by loan classes, on loan portfolios based on historical loan loss experience and qualitative factors, and (iii) valuation allowances on PCI loan pools based on decreases in expected cash flows. Provisions for loan losses are charged to operations to adjust the total allowance to a level deemed appropriate by us.

The following table provides an analysis of the allowance for loan losses, provision for loan losses and net chargeoffs for the three and six months ended June 30, 2019 and 2018:

| (dollars in thousands) | As of and for the Three Months Ended June 30, |  |  |  | As of and for the Six Months Ended June 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 |  | 2018 |  | 2019 |  | 2018 |  |
| Balance, beginning of period | \$ | 23,091 | \$ | 17,704 | \$ | 20,903 | \$ | 16,431 |
| Charge-offs: |  |  |  |  |  |  |  |  |
| Commercial |  | 2 |  | 1,120 |  | 114 |  | 1,145 |
| Commercial real estate |  | 269 |  | 99 |  | 327 |  | 259 |
| Construction and land development |  | - |  | - |  | 44 |  | - |
| Residential real estate |  | 223 |  | 103 |  | 376 |  | 139 |
| Consumer |  | 465 |  | 349 |  | 1,021 |  | 783 |
| Lease financing |  | 691 |  | 473 |  | 1,150 |  | 959 |
| Total charge-offs |  | 1,650 |  | 2,144 |  | 3,032 |  | 3,285 |
| Recoveries: |  |  |  |  |  |  |  |  |
| Commercial |  | 14 |  | 197 |  | 29 |  | 301 |
| Commercial real estate |  | 29 |  | 301 |  | 36 |  | 395 |
| Construction and land development |  | 3 |  | 20 |  | 10 |  | 45 |
| Residential real estate |  | 49 |  | 62 |  | 71 |  | 113 |
| Consumer |  | 221 |  | 147 |  | 431 |  | 242 |
| Lease financing |  | 92 |  | 105 |  | 158 |  | 144 |
| Total recoveries |  | 408 |  | 832 |  | 735 |  | 1,240 |
| Net charge-offs |  | 1,242 |  | 1,312 |  | 2,297 |  | 2,045 |
| Provision for loan losses |  | 4,076 |  | 1,854 |  | 7,319 |  | 3,860 |
| Balance, end of period | \$ | 25,925 | \$ | 18,246 | \$ | 25,925 | \$ | 18,246 |
| Gross loans, end of period |  | 4,073,527 | \$ | 4,095,811 | \$ | 4,073,527 | S | 4,095,811 |
| Average loans |  | 4,086,720 | \$ | 3,982,958 | \$ | 4,107,690 | \$ | 3,731,833 |
| Net charge-offs to average loans |  | 0.12 \% |  | 0.13 \% |  | 0.11 \% |  | 0.11 \% |
| Allowance to total loans |  | 0.64 \% |  | 0.45 \% |  | 0.64 \% |  | 0.45 \% |

Impaired Loans. The following table sets forth our nonperforming assets by asset categories as of the dates indicated. Impaired loans include nonaccrual loans, loans past due 90 days or more and still accruing interest and loans modified under troubled debt restructurings. The balances of impaired loans reflect the net investment in these assets, including deductions for purchase discounts. PCI loans are excluded from nonperforming status because we expect to fully collect their new carrying values, which reflect significant purchase discounts. If our expectation of reasonably estimable future cash flows from PCI loans deteriorates, the loans may be classified as nonaccrual loans and interest income will not be recognized until the timing and amount of future cash flows can be reasonably estimated.

| (dollars in thousands) | June 30,$2019$ |  | $\begin{gathered} \text { December 31, } \\ 2018 \\ \hline \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Impaired loans: |  |  |  |  |
| Commercial | \$ | 8,778 | \$ | 8,928 |
| Commercial real estate |  | 30,583 |  | 23,868 |
| Construction and land development |  | 1,360 |  | 1,307 |
| Residential real estate |  | 8,533 |  | 7,270 |
| Consumer |  | 389 |  | 569 |
| Lease financing |  | 1,033 |  | 957 |
| Total impaired loans |  | 50,676 |  | 42,899 |
| Other real estate owned, non-guaranteed |  | 3,797 |  | 3,000 |
| Nonperforming assets | \$ | 54,473 | \$ | 45,899 |
| Impaired loans to total loans |  | 1.24 |  | 1.04 \% |
| Nonperforming assets to total assets |  | 0.98 |  | 0.81 \% |

We did not recognize interest income recognized on nonaccrual loans during the three and six months ended June 30, 2019 and 2018 while the loans were in nonaccrual status. Additional interest income that would have been recorded on nonaccrual loans had they been current in accordance with their original terms was $\$ 666,000$ and $\$ 1.3$ million for the three and six months ended June 30 , 2019, respectively, and $\$ 346,000$ and $\$ 846,000$ for the three and six months ended June 30 , 2018 , respectively. The Company recognized interest income on commercial and commercial real estate loans modified under troubled debt restructurings of $\$ 29,000$ and $\$ 61,000$ for the three and six months ended

June 30,2019 , respectively, and $\$ 28,000$ and $\$ 58,000$ for the comparable periods in 2018 , respectively.
We use a ten grade risk rating system to categorize and determine the credit risk of our loans. Potential problem loans include loans with a risk grade of 7 , which are "special mention," and loans with a risk grade of 8 , which are "substandard" loans that are not considered to be impaired. These loans generally require more frequent loan officer contact and receipt of financial data to closely monitor borrower performance. Potential problem loans are managed and monitored regularly through a number of processes, procedures and committees, including oversight by a loan administration committee comprised of executive officers and other members of the Bank's senior management team.

The following table presents the recorded investment of potential problem commercial loans (excluding PCI loans) by loan category at the dates indicated:

| (dollars in thousands) | Commercial |  |  |  | Commercial Real Estate |  |  |  | Construction \& Land Development |  |  |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Risk Category |  |  |  | Risk Category |  |  |  | Risk Category |  |  |  |  |  |
|  |  | 7 |  | 8 (1) |  | 7 |  | 8 (1) |  | 7 |  |  |  |  |
| June 30, 2019 | \$ | 22,164 | \$ | 20,697 | \$ | 23,284 | \$ | 51,378 | \$ | 2,491 | \$ | 884 | \$ | 120,898 |
| December 31, 2018 |  | 34,857 |  | 12,956 |  | 14,934 |  | 45,263 |  | 3,448 |  | - |  | 111,458 |

(1) Includes only those 8-rated loans that are not included in impaired loans.

Investment Securities. Our investment strategy aims to maximize earnings while maintaining liquidity in securities with minimal credit risk. The types and maturities of securities purchased are primarily based on our current and projected liquidity and interest rate sensitivity positions.

The following table sets forth the book value and percentage of each category of investment securities at June 30, 2019 and December 31, 2018. The book value for investment securities classified as available for sale and equity securities is equal to fair market value.

| (dollars in thousands) | June 30, 2019 |  |  | December 31, 2018 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Book Value |  | $\begin{aligned} & \hline \% \text { of } \\ & \text { Total } \end{aligned}$ | Book Value |  | $\begin{aligned} & \hline \% \text { of } \\ & \text { Total } \end{aligned}$ |
| Available for sale securities |  |  |  |  |  |  |
| U.S. Treasury securities | \$ | - | - \% | \$ | 24,650 | 3.7 \% |
| Government sponsored entity debt securities |  | 74,875 | 12.2 |  | 75,684 | 11.5 |
| Agency mortgage-backed securities |  | 297,362 | 48.5 |  | 326,305 | 49.4 |
| State and municipal securities |  | 143,729 | 23.5 |  | 159,262 | 24.1 |
| Corporate securities |  | 93,691 | 15.3 |  | 71,550 | 10.8 |
| Total investment securities, available for sale, at fair value |  | 609,657 | 99.5 |  | 657,451 | 99.5 |
| Equity securities |  | 3,369 | 0.5 |  | 3,334 | 0.5 |
| Total investment securities, at fair value | \$ | 613,026 | $\underline{100.0}$ \% | \$ | 660,785 | 100.0 \% |

The following table sets forth the book value, maturities and weighted average yields for our investment portfolio at June 30,2019 . The book value for investment securities classified as available for sale is equal to fair market value.

| (dollars in thousands) | June 30, 2019 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Book Value |  | \% of Total Investment Securities | Weighted Average Yield |
| Investment securities, available for sale: |  |  |  |  |
| Government sponsored entity debt securities: |  |  |  |  |
| Maturing within one year | \$ | 28,658 | 4.7 \% | 2.4 \% |
| Maturing in one to five years |  | 33,321 | 5.4 | 2.4 |
| Maturing in five to ten years |  | 12,480 | 2.0 | 2.6 |
| Maturing after ten years |  | 416 | 0.1 | 2.6 |
| Total government sponsored entity debt securities | \$ | 74,875 | 12.2 \% | 2.4 \% |
|  |  |  |  |  |
| Agency mortgage-backed securities: |  |  |  |  |
| Maturing within one year | \$ | 3,462 | 0.5 \% | 2.8 \% |
| Maturing in one to five years |  | 266,417 | 43.5 | 2.8 |
| Maturing in five to ten years |  | 24,248 | 4.0 | 2.8 |
| Maturing after ten years |  | 3,235 | 0.5 | 3.0 |
| Total agency mortgage-backed securities | \$ | 297,362 | 48.5 \% | 2.8 \% |
|  |  |  |  |  |
| State and municipal securities (1): |  |  |  |  |
| Maturing within one year | \$ | 14,874 | 2.4 \% | 3.6 \% |
| Maturing in one to five years |  | 42,822 | 7.0 | 4.3 |
| Maturing in five to ten years |  | 58,680 | 9.6 | 4.4 |
| Maturing after ten years |  | 27,353 | 4.5 | 4.1 |
| Total state and municipal securities | \$ | 143,729 | 23.5 \% | 4.2 \% |
|  |  |  |  |  |
| Corporate securities: |  |  |  |  |
| Maturing within one year | \$ | 4,013 | 0.7 \% | 3.6 \% |
| Maturing in one to five years |  | 5,063 | 0.8 | 3.6 |
| Maturing in five to ten years |  | 84,615 | 13.8 | 5.2 |
| Maturing after ten years |  | - | - | - |
| Total corporate securities | \$ | 93,691 | 15.3 \% | 5.0 \% |
| Total investment securities, available for sale | \$ | 609,657 | 99.5 \% | 3.4 \% |
|  |  |  |  |  |
| Equity securities: |  |  |  |  |
| No stated maturity | \$ | 3,369 | 0.5 \% | 2.5 \% |
| Total investment securities and equity securities | \$ | 613,026 | 100.0 \% | 3.4 \% |

(1) Weighted average yield for tax-exempt securities are presented on a tax-equivalent basis assuming a federal income tax rate of $21 \%$.

The table below presents the credit ratings at June 30, 2019 at fair value for our investment securities classified as available for sale.

| (dollars in thousands) | June 30, 2019 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Amortized Cost | Estimated <br> Fair Value | Average Credit Rating |  |  |  |  |  |
|  |  |  | AAA | AA+/- | A+/- | BBB+/- | $<$ BBB- $^{-}$ | Not Rated |
| Investment securities available for sale: |  |  |  |  |  |  |  |  |
| Government sponsored entity debt securities | \$ 74,286 | \$ 74,875 | \$ | \$ 74,875 | \$ | \$ | \$ | \$ |
| Agency mortgage-backed securities | 294,432 | 297,362 | 5,394 | 291,968 | - | - | - | - - |
| State and municipal securities | 138,181 | 143,729 | 27,844 | 89,558 | 9,304 | 6,116 | 488 | 10,419 |
| Corporate securities | 92,874 | 93,691 | - | - | 9,557 | 43,228 | 7,260 | 33,646 |
| Total investment securities, available for sale | \$ 599,773 | \$ 609,657 | \$ 33,238 | \$456,401 | \$ 18,861 | \$ 49,344 | \$7,748 | \$ 44,065 |

Cash and Cash Equivalents. Cash and cash equivalents increased $\$ 31.7$ million to $\$ 245.4$ million as of June 30, 2019 compared to December 31, 2018. This increase was primarily due to cash flows from investing activities and operating activities totaling $\$ 119.4$ million and $\$ 53.5$ million, respectively. These increases were offset in part by cash flows used in financing activities of $\$ 141.2$ million. Cash flows provided by investing activities primarily consisted of a
$\$ 60.0$ million decrease in loans offset in part by $\$ 32.5$ million in purchases of investments securities available for sale and $\$ 10.3$ million in purchases of nonmarketable equity securities. Cash flows provided by operating activities primarily reflected $\$ 30.3$ million of net income and $\$ 248.7$ million of proceeds received from sales of loans held for sale exceeding $\$ 233.8$ million in originations of loans held for sale. Cash used in financing activities primarily reflected $\$ 350.4$ million of payments made on FHLB borrowings, which exceeded proceeds received from FHLB borrowings.

Operating Lease Right-of-Use Asset. We adopted ASU 2016-02, Leases (Topic 842) on January 1, 2019, which required the recognition of operating lease ROU assets. Operating lease ROU assets represent the lessee's right to use, or control the use of, specified assets for the lease term. Operating lease ROU assets are recognized based on the present value of lease payments over the lease term. Operating lease ROU totaled $\$ 10.2$ million at June 30, 2019.

Liabilities. Total liabilities decreased to $\$ 4.91$ billion at June 30, 2019 compared to $\$ 5.03$ billion at December 31, 2018.

Deposits. We emphasize developing total client relationships with our customers in order to increase our retail and commercial core deposit bases, which are our primary funding sources. Our deposits consist of noninterest-bearing and interest-bearing demand, savings and time deposit accounts.

The following table summarizes our average deposit balances and weighted average rates for the three months ended June 30, 2019 and 2018:

| (dollars in thousands) | June 30, 2019 |  |  | June 30, 2018 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Average Balance | Weighted Average Rate |  | Average Balance | Weighted Average Rate |
| Deposits: |  |  |  |  |  |  |
| Noninterest-bearing demand | \$ | 921,115 | - | \$ | 1,025,308 | - |
| Interest-bearing: |  |  |  |  |  |  |
| Checking |  | 990,413 | 0.60 \% |  | 1,001,628 | 0.23 \% |
| Money market |  | 744,785 | 0.99 |  | 820,662 | 0.66 |
| Savings |  | 450,186 | 0.20 |  | 465,478 | 0.16 |
| Time, less than \$250,000 |  | 650,125 | 1.97 |  | 576,245 | 1.10 |
| Time, \$250,000 and over |  | 99,680 | 2.33 |  | 83,844 | 1.21 |
| Time, brokered |  | 172,471 | 2.62 |  | 210,959 | 2.00 |
| Total interest-bearing | \$ | 3,107,660 | 1.09 \% | \$ | 3,158,816 | 0.64 \% |
| Total deposits | \$ | 4,028,775 | 0.84 \% | \$ | 4,184,124 | 0.48 \% |

The following table sets forth the maturity of time deposits of $\$ 250,000$ or more and brokered time deposits as of June 30, 2019:

| (dollars in thousands) | June 30, 2019 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Maturity Within: |  |  |  |  |  |  |  |  |  |
|  | Three <br> Months or Less |  | Three to Six Months |  | Six to 12 Months |  | After 12 <br> Months |  | Total |  |
| Time, \$250,000 and over | \$ | 12,565 | \$ | 7,045 | \$ | 51,564 | \$ | 34,450 | \$ | 105,624 |
| Time, brokered |  | 54,111 |  | 44,876 |  | 27,208 |  | 13,777 |  | 139,972 |
| Total | \$ | 66,676 | + | 51,921 | \$ | 78,772 | \$ | 48,227 | \$ | 245,596 |

Total deposits decreased $\$ 63.0$ million to $\$ 4.01$ billion at June 30, 2019, as compared to December 31, 2018. This decrease primarily resulted from an intentional reduction of $\$ 111.7$ million in brokered money market deposits and brokered time deposits. At June 30, 2019, total deposits were comprised of $22.5 \%$ noninterest-bearing demand accounts, $54.4 \%$ interest-bearing transaction accounts and $23.1 \%$ of time deposits. At June 30, 2019, brokered time deposits totaled $\$ 140.0$ million, or $3.5 \%$ of total deposits, compared to $\$ 161.6$ million, or $4.0 \%$ of total deposits, at December 31, 2018.

Operating Lease Liabilities. The adoption of ASU 2016-02, Leases (Topic 842) on January 1, 2019 also required the recognition of operating lease liabilities. Operating lease liabilities represent a lessee's obligation to make lease payments arising from a lease, measured on a discounted basis. Operating lease liabilities totaled $\$ 10.7$ million at June 30, 2019.

## Capital Resources and Liquidity Management

Capital Resources. Shareholders' equity is influenced primarily by earnings, dividends, issuances and redemptions of common stock and changes in accumulated other comprehensive income caused primarily by fluctuations in unrealized holding gains or losses, net of taxes, on available-for-sale investment securities.

Shareholders' equity increased $\$ 31.4$ million to $\$ 639.9$ million at June 30, 2019 as compared to December 31, 2018 . The increase in shareholders' equity was due primarily to $\$ 9.3$ million increase in accumulated other comprehensive income and $\$ 30.3$ million of net income, partially offset by $\$ 11.7$ million of declared dividends to common shareholders.

Liquidity Management. Liquidity refers to the measure of our ability to meet the cash flow requirements of depositors and borrowers, while at the same time meeting our operating, capital and strategic cash flow needs, all at a reasonable cost. We continuously monitor our liquidity position to ensure that assets and liabilities are managed in a manner that will meet all short-term and long-term cash requirements. We manage our liquidity position to meet the daily cash flow needs of customers, while maintaining an appropriate balance between assets and liabilities to meet the return on investment objectives of our shareholders.

Integral to our liquidity management is the administration of short-term borrowings. To the extent we are unable to obtain sufficient liquidity through core deposits, we seek to meet our liquidity needs through wholesale funding or other borrowings on either a short- or long-term basis.

Securities sold under agreements to repurchase, which are classified as secured borrowings, generally mature within one to four days from the transaction date. Securities sold under agreements to repurchase are reflected at the amount of cash received in connection with the transaction, which represents the amount of the Bank's obligation. The Bank may be required to provide additional collateral based on the fair value of the underlying securities. Investment securities with a carrying amount of $\$ 128.8$ million and $\$ 132.2$ million at June 30, 2019 and December 31, 2018, respectively, were pledged for securities sold under agreements to repurchase.

The Company had lines of credit of $\$ 50.9$ million and $\$ 56.8$ million at June 30, 2019 and December 31, 2018, respectively, from the Federal Reserve Discount Window. The lines are collateralized by a collateral agreement with respect to a pool of commercial real estate loans totaling $\$ 60.0$ million and $\$ 67.6$ million at June 30, 2019 and December 31, 2018, respectively. There were no outstanding borrowings at June 30, 2019 and December 31, 2018

At June 30, 2019, the Company had available federal funds lines of credit totaling $\$ 45.0$ million. These lines of credit were unused at June 30, 2019.

The Company is a corporation separate and apart from the Bank and, therefore, must provide for its own liquidity. The Company's main source of funding is dividends declared and paid to us by the Bank. There are statutory, regulatory and debt covenant limitations that affect the ability of the Bank to pay dividends to the Company. Management believes that these limitations will not impact our ability to meet our ongoing short-term cash obligations.

## Regulatory Capital Requirements

We are subject to various regulatory capital requirements administered by the federal and state banking regulators. Failure to meet regulatory capital requirements may result in certain mandatory and possible additional discretionary actions by regulators that, if undertaken, could have a direct material effect on our financial statements. Under capital adequacy guidelines and the regulatory framework for "prompt corrective action", we must meet specific capital guidelines that involve quantitative measures of our assets, liabilities and certain off-balance sheet items as calculated under regulatory accounting policies.

At June 30, 2019, the Company and the Bank exceeded the regulatory minimums and the Bank met the regulatory definition of well-capitalized based on the most recent regulatory notification.

The following table presents the Company and the Bank's capital ratios and the minimum requirements at June 30, 2019:

| Ratio | Actual | Fully Phased-In Guidelines Minimum (1) | Well Capitalized |
| :---: | :---: | :---: | :---: |
| Total risk-based capital ratio |  |  |  |
| Midland States Bancorp, Inc. | 13.49 \% | 10.50 \% | N/A |
| Midland States Bank | 13.22 | 10.50 | 10.00 \% |
| Common equity Tier 1 risk-based capital ratio |  |  |  |
| Midland States Bancorp, Inc. | 9.38 | 7.00 | N/A |
| Midland States Bank | 12.63 | 7.00 | 6.50 |
| Tier 1 risk-based capital ratio |  |  |  |
| Midland States Bancorp, Inc. | 10.85 | 8.50 | N/A |
| Midland States Bank | 12.63 | 8.50 | 8.00 |
| Tier 1 leverage ratio |  |  |  |
| Midland States Bancorp, Inc. | 9.27 | 4.00 | N/A |
| Midland States Bank | 10.80 | 4.00 | 5.00 |

(1) As of January 1, 2019, the capital conservation buffer was fully phased in at $2.5 \%$.

## Contractual Obligations

The following table contains supplemental information regarding our total contractual obligations at June 30, 2019:

| (dollars in thousands) | Payments Due |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Less than One Year |  | One to ree Years | Three to Five Years | More than <br> Five Years | Total |
| Deposits without a stated maturity | \$ 3,085,899 | \$ | - | \$ - | \$ - | \$ 3,085,899 |
| Time deposits | 573,659 |  | 323,850 | 27,798 | 1 | 925,308 |
| Securities sold under repurchase agreements | 113,844 |  | - | - | - | 113,844 |
| FHLB advances and other borrowings | 35,374 |  | 26,629 | 410,384 | 110,000 | 582,387 |
| Operating lease obligations | 2,080 |  | 4,056 | 2,905 | 1,678 | 10,719 |
| Subordinated debt | - |  | - | - | 94,215 | 94,215 |
| Trust preferred debentures | - |  | - | - | 48,041 | 48,041 |
| Total contractual obligations | \$ 3,810,856 | \$ | 354,535 | \$441,087 | \$253,935 | \$ 4,860,413 |

We believe that we will be able to meet our contractual obligations as they come due through the maintenance of adequate cash levels. We expect to maintain adequate cash levels through profitability, loan and securities repayment and maturity activity and continued deposit gathering activities. We have in place various borrowing mechanisms for both shortterm and long-term liquidity needs.

## Quantitative and Qualitative Disclosures About Market Risk

Market Risk. Market risk represents the risk of loss due to changes in market values of assets and liabilities. We incur market risk in the normal course of business through exposures to market interest rates, equity prices, and credit spreads. We have identified two primary sources of market risk: interest rate risk and price risk.

## Interest Rate Risk

Overview. Interest rate risk is the risk to earnings and value arising from changes in market interest rates. Interest rate risk arises from timing differences in the repricings and maturities of interest-earning assets and interest-bearing liabilities (reprice risk), changes in the expected maturities of assets and liabilities arising from embedded options, such as borrowers' ability to prepay residential mortgage loans at any time and depositors' ability to redeem certificates of deposit before maturity (option risk), changes in the shape of the yield curve where interest rates increase or decrease in a nonparallel fashion (yield curve risk), and changes in spread relationships between different yield curves, such as U.S. Treasuries and LIBOR (basis risk).

Our board of directors established broad policy limits with respect to interest rate risk. Our Enterprise Risk Committee ("ERC") establishes specific operating guidelines within the parameters of the board of directors' policies. In general, we seek to minimize the impact of changing interest rates on net interest income and the economic values of assets and liabilities. Our ERC meets quarterly to monitor the level of interest rate risk sensitivity to ensure compliance with the board of directors' approved risk limits.

Interest rate risk management is an active process that encompasses monitoring loan and deposit flows complemented by investment and funding activities. Effective management of interest rate risk begins with understanding the dynamic characteristics of assets and liabilities and determining the appropriate interest rate risk posture given business forecasts, management objectives, market expectations, and policy constraints.

An asset sensitive position refers to a balance sheet position in which an increase in short-term interest rates is expected to generate higher net interest income, as rates earned on our interest-earning assets would reprice upward more quickly than rates paid on our interest-bearing liabilities, thus expanding our net interest margin. Conversely, a liability sensitive position refers to a balance sheet position in which an increase in short-term interest rates is expected to generate lower net interest income, as rates paid on our interest-bearing liabilities would reprice upward more quickly than rates earned on our interest-earning assets, thus compressing our net interest margin.

Income Simulation and Economic Value Analysis. Interest rate risk measurement is calculated and reported to the ERC at least quarterly. The information reported includes period-end results and identifies any policy limits exceeded, along with an assessment of the policy limit breach and the action plan and timeline for resolution, mitigation, or assumption of the risk.

We use two approaches to model interest rate risk: Net Interest Income at Risk ("NII at Risk") and Economic Value of Equity ("EVE"). Under NII at Risk, net interest income is modeled utilizing various assumptions for assets, liabilities, and derivatives. EVE measures the period end market value of assets minus the market value of liabilities and the change in this value as rates change. EVE is a period end measurement.

The following table shows NII at Risk at the dates indicated:


We report NII at Risk to isolate the change in income related solely to interest-earning assets and interest-bearing liabilities. The NII at Risk results included in the table above reflect the analysis used quarterly by management. It models $-100,+100$ and +200 basis point parallel shifts in market interest rates, implied by the forward yield curve over the next twelve months.

We were within Board policy limits for the +100 and +200 basis point scenarios at June 30, 2019. The Bank, at June 30, 2019 has exceeded the established tolerance level for the -100 basis point sensitivity. Tolerance levels for risk management require the development of remedial plans to maintain residual risk within approved levels. NII at Risk
reported at June 30, 2019, projects that our earnings exhibit increased sensitivity to changes in interest rates compared to December 31, 2018.

The following table shows EVE at the dates indicated:

| (dollars in thousands) | Economic Value of Equity Sensitivity |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Immediate Change in Rates |  |  |  |  |  |
|  | -100 |  | +100 |  | +200 |  |
| June 30, 2019: |  |  |  |  |  |  |
| Dollar change | \$ | $(81,442)$ | \$ | 45,031 | \$ | 63,750 |
| Percent change |  | (15.1)\% |  | 8.4 \% |  | 11.9 \% |
| December 31, 2018: |  |  |  |  |  |  |
| Dollar change | \$ | $(80,035)$ | \$ | 40,599 | \$ | 69,461 |
| Percent change |  | (12.7)\% |  | 6.4 \% |  | 11.0 \% |

The EVE results included in the table above reflect the analysis used quarterly by management. It models immediate $-100,+100$ and +200 basis point parallel shifts in market interest rates.

We were within board policy limits for the +100 and +200 basis point scenarios at June 30, 2019 .
In September 2018, the Federal Reserve increased the range for the Federal Funds Target Rate, which led to an increase in the magnitude of the declining rate scenario to 100 basis points from the prior -50 basis point floor. Tolerance levels for risk management require the development of remediation plans to maintain residual risk within tolerance if simulation modeling demonstrates that a parallel 100 basis point increase or 100 basis point decrease in interest rates over the twelve months would adversely affect net interest income over the same period by more than the tolerance level. The Bank, at June 30, 2019 has exceeded the established tolerance level for the -100 basis point sensitivity.

Price Risk. Price risk represents the risk of loss arising from adverse movements in the prices of financial instruments that are carried at fair value and subject to fair value accounting. We have price risk from equity investments and investments in securities backed by mortgage loans.

Item 3 - Quantitative and Qualitative Disclosures About Market Risk

The quantitative and qualitative disclosures about market risk are included under "Item 2 - Management's Discussion and Analysis of Financial Condition and Results of Operations - Quantitative and Qualitative Disclosures About Market Risk".

## Item 4 - Controls and Procedures

Evaluation of disclosure controls and procedures. The Company's management, including our President and Chief Executive Officer and our Chief Financial Officer, have evaluated the effectiveness of our "disclosure controls and procedures" (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934 ("Exchange Act")), as of the end of the period covered by this report. Based on such evaluation, our President and Chief Executive Officer and our Chief Financial Officer have concluded that, as of the end of such period, the Company's disclosure controls and procedures were effective as of that date to provide reasonable assurance that the information required to be disclosed by the Company in the reports it files or submits under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the SEC and that information required to be disclosed by the Company in the reports it files or submits under the Exchange Act is accumulated and communicated to the Company's management, including its President and Chief Executive Officer and its Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

Changes in internal control over financial reporting. There have not been any changes in the Company's internal control over financial reporting (as such term is defined in Rule 13a-15(f) under the Exchange Act) during the fiscal quarter to which this report relates that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

## Part II - Other Information

## Item 1 - Legal Proceedings

In the normal course of business, we are named or threatened to be named as a defendant in various lawsuits, none of which we expect to have a material effect on the Company. However, given the nature, scope and complexity of the extensive legal and regulatory landscape applicable to our business (including laws and regulations governing consumer protection, fair lending, fair labor, privacy, information security, anti-money laundering and anti-terrorism), we, like all banking organizations, are subject to heightened legal and regulatory compliance and litigation risk. There are no material pending legal proceedings to which the Company or any of its subsidiaries is a party or of which any of their property is the subject.

## Item 1A-Risk Factors

There have been no material changes from the risk factors previously disclosed in the "Risk Factors" section included in our Annual Report on Form 10-K for the year ended December 31, 2018.

## Item 2 - Unregistered Sales of Equity Securities and Use of Proceeds

## Issuer Purchases of Equity Securities

The following table sets forth information regarding the Company's repurchase of shares of its outstanding common stock during the second quarter of 2019 .

(1) Represents shares of the Company's common stock repurchased under the employee stock purchase program and/or shares withheld to satisfy tax withholding obligations upon the vesting of awards of restricted stock. These shares were purchased pursuant to the terms of the applicable plan and not pursuant to a publicly announced repurchase plan or program.

## Item 6 - Exhibits

| Exhibit No. | Description |
| :---: | :---: |
| 10.1 | Midland States Bancorp, Inc. 2019 Long-Term Incentive Plan (incorporated by reference to Exhibit 4.6 of the Company's Registration Statement on Form S-8 (File No. 333-231323) filed with the SEC on May 9 . 2019) |
| 10.2 | Form of Incentive Stock Option Award Agreement under the Midland States Bancorp, Inc. 2019 LongTerm Incentive Plan (incorporated by reference to Exhibit 4.7 of the Company's Registration Statement on Form S-8 (File No. 333-231323) filed with the SEC on May 9, 2019) |
| 10.3 | Form of Nonqualified Stock Option Award Agreement under the Midland States Bancorp, Inc. 2019 LongTerm Incentive Plan (incorporated by reference to Exhibit 4.8 of the Company's Registration Statement on Form S-8 (File No. 333-231323) filed with the SEC on May 9, 2019) |
| 10.4 | Form of Restricted Stock Unit Award Agreement under the Midland States Bancorp, Inc. 2019 Long-Term Incentive Plan (incorporated by reference to Exhibit 4.9 of the Company's Registration Statement on Form S-8 (File No. 333-231323) filed with the SEC on May 9, 2019) |
| 10.5 | Form of Restricted Stock Award Agreement under the Midland States Bancorp, Inc. 2019 Long-Term Incentive Plan (incorporated by reference to Exhibit 4.10 of the Company's Registration Statement on Form S-8 (File No. 333-231323) filed with the SEC on May 9, 2019) |
| 10.6 | Amended and Restated Midland States Bancorp, Inc. Employee Stock Purchase Plan (Amended and Restated May 3,2019) (incorporated by reference to Exhibit 4.11 of the Company's Registration Statement on Form S-8 (File No. 333-231323) filed with the SEC on May 9, 2019) |
| 31.1 | Chief Executive Officer's Certification required by Rule 13(a)-14(a)- filed herewith. |
| 31.2 | Chief Financial Officer's Certification required by Rule 13(a)-14(a) - filed herewith. |
| 32.1 | Chief Executive Officer Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 - filed herewith. |
| 32.2 | Chief Financial Officer Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 - filed herewith. |
| 101 | Financial information from the Company's Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2019, formatted in iXBRL (Inline eXtensible Business Reporting Language): (i) Consolidated Balance Sheets; (ii) Consolidated Statements of Income; (iii) Consolidated Statements of Comprehensive Income; (iv) Consolidated Statements of Shareholders' Equity; (v) Consolidated Statements of Cash Flows; and (vi) Notes to Consolidated Financial Statements - filed herewith. |

## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

MIDLAND STATES BANCORP, INC.

Date: August 7, 2019

Date: August 7, 2019
By: /s/ Jeffrey G. Ludwig
Jeffrey G. Ludwig
President and Chief Executive Officer
(Principal Executive Officer)

By: /s/ Stephen A. Erickson
Stephen A. Erickson
Chief Financial Officer
(Principal Financial and Accounting Officer)

## CERTIFICATIONS REQUIRED BY

## RULE 13a-14(a) OR RULE 15d-14(a)

## UNDER THE SECURITIES EXCHANGE ACT OF 1934

I, Jeffrey G. Ludwig, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q (the "Report") of Midland States Bancorp, Inc. (the "Registrant");
2. Based on my knowledge, this Report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this Report;
3. Based on my knowledge, the financial statements, and other financial information included in this Report, fairly present in all material respects the financial condition, results of operations and cash flows of the Registrant as of, and for, the periods presented in this Report;
4. The Registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d15(f)) for the Registrant and have:
a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this Report is being prepared;
b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
c) Evaluated the effectiveness of the Registrant's disclosure controls and procedures and presented in this Report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this Report based on such evaluation; and
d) Disclosed in this Report any change in the Registrant's internal control over financial reporting that occurred during the Registrant's most recent fiscal quarter (the Registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Registrant's internal control over financial reporting; and
5. The Registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Registrant's auditors and the audit committee of the Registrant's board of directors (or persons performing the equivalent functions):
a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Registrant's ability to record, process, summarize and report financial information; and
b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the Registrant's internal control over financial reporting.

Dated as of: $\quad$ August 7, 2019
MIDLAND STATES BANCORP, INC.

(Principal Executive Officer)

## CERTIFICATIONS REQUIRED BY RULE 13a-14(a) OR RULE 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934

I, Stephen A. Erickson, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q (the "Report") of Midland States Bancorp, Inc. (the "Registrant");
2. Based on my knowledge, this Report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this Report;
3. Based on my knowledge, the financial statements, and other financial information included in this Report, fairly present in all material respects the financial condition, results of operations and cash flows of the Registrant as of, and for, the periods presented in this Report;
4. The Registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d15(f)) for the Registrant and have:
a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this Report is being prepared;
b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
c) Evaluated the effectiveness of the Registrant's disclosure controls and procedures and presented in this Report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this Report based on such evaluation; and
d) Disclosed in this Report any change in the Registrant's internal control over financial reporting that occurred during the Registrant's most recent fiscal quarter (the Registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Registrant's internal control over financial reporting; and
5. The Registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Registrant's auditors and the audit committee of the Registrant's board of directors (or persons performing the equivalent functions):
a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Registrant's ability to record, process, summarize and report financial information; and
b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the Registrant's internal control over financial reporting.

Dated as of: $\quad$ August 7, 2019

## MIDLAND STATES BANCORP, INC.

By: $\quad \frac{/ \mathrm{s} / \text { Stephen A. Erickson }}{\left.\quad \begin{array}{l}\text { Stephen A. Erickson } \\ \begin{array}{l}\text { Chief Financial Officer } \\ \text { (Principal Financial and Accounting Officer) }\end{array}\end{array}\right]}$

## CERTIFICATIONS PURSUANT TO 18 U.S.C. SECTION 1350, <br> AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

I, Jeffrey G. Ludwig, President and Chief Executive Officer of Midland States Bancorp, Inc. (the "Company") certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to the best of my knowledge:
(1) The Quarterly Report on Form 10-Q of the Company for the quarterly period ended June 30, 2019 (the "Report") fully complies with the requirements of Sections 13(a) or 15(d) of the Securities Exchange Act of 1934; and
(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

## MIDLAND STATES BANCORP, INC.

Dated as of: $\quad$ August 7, 2019
By: /s/ Jeffrey G. Ludwig
Jeffrey G. Ludwig
President and Chief Executive Officer
(Principal Executive Officer)

## CERTIFICATIONS PURSUANT TO 18 U.S.C. SECTION 1350, <br> AS ADOPTED PURSUANT TO <br> SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

I, Stephen A. Erickson, Chief Financial Officer of Midland States Bancorp, Inc. (the "Company") certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to the best of my knowledge:
(1) The Quarterly Report on Form 10-Q of the Company for the quarterly period ended June 30, 2019 (the "Report") fully complies with the requirements of Sections 13(a) or 15(d) of the Securities Exchange Act of 1934; and
(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

## MIDLAND STATES BANCORP, INC.

Dated as of: August 7, 2019

By: /s/ Stephen A. Erickson
Stephen A. Erickson
Chief Financial Officer
(Principal Financial and Accounting Officer)


[^0]:    (1) Amounts included in interest income from investment securities taxable in the consolidated statements of income.

[^1]:    (1) Interest income and average rates for tax-exempt loans and securities are presented on a tax-equivalent basis, assuming a federal income tax rate of $21 \%$. Tax-equivalent adjustments totaled $\$ 526,000$ and $\$ 541,000$ for the three months ended June 30, 2019 and 2018, respectively
    (2) Average loan balances include nonaccrual loans. Interest income on loans includes amortization of deferred loan fees, net of deferred loan costs.
    (3) Net interest margin during the periods presented represents: (i) the difference between interest income on interest-earning assets and the interest expense on interest bearing liabilities, divided by (ii) average interest-earning assets for the period

[^2]:    (1) Interest income and average rates for tax-exempt loans and securities are presented on a tax-equivalent basis, assuming a federal income tax rate of $21 \%$. Tax-equivalent adjustments totaled $\$ 1.1$ million and $\$ 936,000$ for the six months ended June 30, 2019 and 2018, respectively.
    (2) Average loan balances include nonaccrual loans. Interest income on loans includes amortization of deferred loan fees, net of deferred loan costs.
    (3) Net interest margin during the periods presented represents: (i) the difference between interest income on interest-earning assets and the interest expense on interestbearing liabilities, divided by (ii) average interest-earning assets for the period.

