Filed Pursuant to Rule 433 Registration No. 333-207934 Supplementing the Preliminary Prospectus Dated August 1, 2017 August 1, 2017



Acquisition of Liberty Bancshares, Inc. & Follow-On Equity Capital Raise August 2017

### Safe Harbor Statement

#### ABOUT VERITEX HOLDINGS, INC.

Headquartered in Dallas, Texas, Veritex Holdings, Inc. ("VBTX", "Veritex" or the "Company") is a bank holding company that conducts banking activities through its wholly-owned subsidiary, Veritex Community Bank, with locations throughout the Dallas metropolitan area. Veritex Community Bank is a Texas state chartered bank regulated by the Texas Department of Banking and the Board of Governors of the Federal Reserve System. For more information, visit www.veritexbank.com

#### NO OFFER OR SOLICITATION

This communication does not constitute an offer to sell, a solicitation of an offer to sell, the solicitation or an offer to buy any securities or a solicitation of any vote or approval. There will be no sale of securities in any jurisdiction in which such an offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. No offer of securities shall be made except by means of a prospectus meeting the requirement of Section 10 of the Securities Act of 1933, as amended.

#### ADDITIONAL INFORMATION ABOUT THE OFFERING

Veritex has filed a shelf registration statement on Form S-3 (including a prospectus) with the SEC which was declared effective on November 25, 2015. Before you invest in the offering to which this communication relates, you should read the prospectus in that registration statement and the preliminary prospectus supplement related to the offering and the other documents Veritex has filed and will file with the SEC for more complete information about Veritex and this offering. You may get these documents for free by visiting the SEC web site at www.sec.gov. Alternatively, Veritex, any underwriter, or any dealer participating in the offering will arrange to send you the prospectus if you request it by contacting Stephens Inc., 111 Center Street, Little Rock, Arkansas 72201, Attn: Prospectus Department, by emailing prospectus@stephens.com, by calling (501) 377-2131 or by faxing (501) 377-2404.

#### NON-GAAP FINANCIAL MEASURES

Veritex reports its results in accordance with United States generally accepted accounting principles ("GAAP"). However, management believes that certain non-GAAP performance measures used in managing the business may provide meaningful information about underlying trends in its business. Non-GAAP financial measures should be viewed in addition to, and not as an alternative for, Veritex's reported results prepared in accordance with GAAP. Please see Reconciliation of Non-GAAP Measures at the end of this presentation for a reconciliation to the nearest GAAP financial measure ADDITIONAL INFORMATION ABOUT THE MERGER AND WHERE TO FIND IT

In connection with the proposed merger of Veritex and Liberty Bancshares, Inc. ("Liberty"), Veritex will file with the Securities and Exchange Commission (the "SEC") a registration statement on Form S-4 that will include a joint proxy statement of Veritex and Liberty and a prospectus of Veritex, as well as other relevant documents concerning the proposed merger. WE URGE INVESTORS AND SECURITY HOLDERS TO READ THE REGISTRATION STATEMENT ON FORM S-4 AND THE JOINT PROXY STATEMENT/PROSPECTUS INCLUDED WITHIN THE REGISTRATION STATEMENT ON FORM S-4, AS WELL AS ANY AMENDMENTS OR SUPPLEMENTS TO THESE DOCUMENTS AND ANY OTHER RELEVANT DOCUMENTS TO BE FILED WITH THE SEC IN CONNECTION WITH THE PROPOSED MERGER BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT VERITEX, LIBERTY AND THE PROPOSED MERGER. The joint proxy statement/prospectus will be sent to the shareholders of each institution seeking the required shareholder approvals. Investors and security holders will be able to obtain free copies of the registration statement on Form S-4 and the related joint proxy statement/prospectus, when filed, as well as other documents filed with the SEC by Veritex through the web site maintained by the SEC at www.sec.gov. Documents filed with the SEC by Veritex will also be available free of charge by directing a written request to Veritex Holdings, Inc., 8214 Westchester Drive, Suite 400, Dallas, Texas 75225 Attn: Investor Relations. Veritex's telephone number is (972) 349-6200

#### PARTICIPANTS IN THE TRANSACTION

Veritex, Liberty and certain of their respective directors and executive officers may be deemed to be participants in the solicitation of proxies from the respective shareholders of Veritex and Liberty in connection with the proposed transaction. Certain information regarding the interests of these participants and a description of their direct and indirect interests, by security holdings or otherwise, will be included in the joint proxy statement/prospectus regarding the proposed transaction when it becomes available. Additional information about Veritex and its directors and officers may be found in the definitive proxy statement of Veritex relating to its 2017 Annual Meeting of Stockholders filed with the SEC on April 10, 2017. The definitive proxy statement can be obtained free of charge from the sources described above.

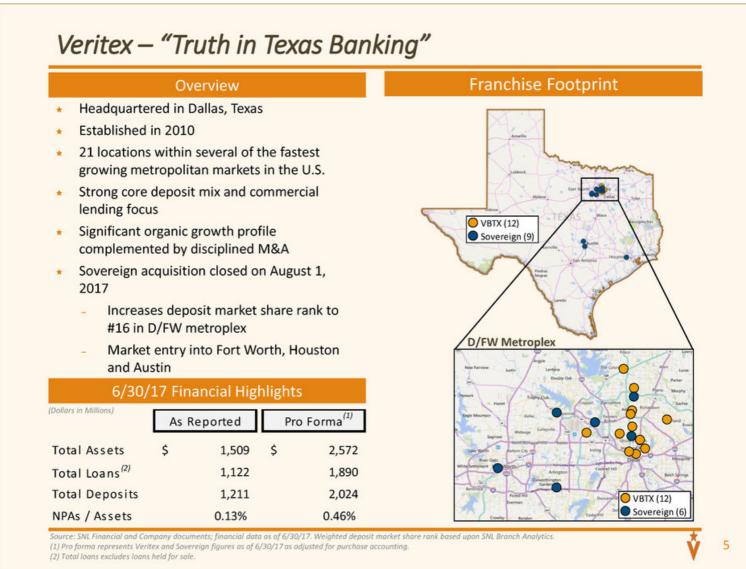


### Forward Looking Statements

"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995: This presentation may contain certain forward-looking statements within the meaning of the securities laws that are based on various facts and derived utilizing important assumptions, current expectations, estimates and projections about the Company and its subsidiaries. Forward-looking statements include information regarding the Company's future financial performance, business and growth strategy, projected plans and objectives, and related transactions, integration of the acquired businesses, ability to recognize anticipated operational efficiencies, and other projections based on macroeconomic and industry trends, which are inherently unreliable due to the multiple factors that impact economic trends, and any such variations may be material. Statements preceded by, followed by or that otherwise include the words "believes," "expects," "anticipates," "intends," "projects," "estimates," "plans" and similar expressions or future or conditional verbs such as "will," "should," "would," "may" and "could" are generally forward-looking in nature and not historical facts, although not all forward-looking statements include the foregoing. Further, certain factors that could affect our future results and cause actual results to differ materially from those expressed in the forward-looking statements include, but are not limited to whether the Company can: successfully implement its growth strategy, including identifying acquisition targets and consummating suitable acquisitions; continue to sustain internal growth rate; provide competitive products and services that appeal to its customers and target market; continue to have access to debt and equity capital markets; and achieve its performance goals. For discussion of these and other risks that may cause actual results to differ from expectations, please refer to "Special Cautionary Note Regarding Forward-Looking Statements" and "Risk Factors" in Veritex's Annual Report on Form 10-K filed with the SEC on March 10, 2017 and any updates to those risk factors set forth in Veritex's subsequent Quarterly Reports on Form 10-Q or Current Reports on Form 8-K. If one or more events related to these or other risks or uncertainties materialize, or if Veritex's underlying assumptions prove to be incorrect, actual results may differ materially from what Veritex anticipates. Accordingly, you should not place undue reliance on any such forward-looking statements. Any forward-looking statement speaks only as of the date on which it is made, and Veritex does not undertake any obligation to publicly update or review any forward-looking statement, whether as a result of new information, future developments or otherwise. New risks and uncertainties arise from time to time, and it is not possible for us to predict those events or how they may affect us. In addition, Veritex cannot assess the impact of each factor on Veritex's business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements. All forward-looking statements, expressed or implied, included in this communication are expressly qualified in their entirety by this cautionary statement. This cautionary statement should also be considered in connection with any subsequent written or oral forward-looking statements that Veritex or persons acting on Veritex's behalf may issue. Annualized, pro forma, projected and estimated numbers are used for illustrative purpose only, are not forecasts and may not reflect actual results.

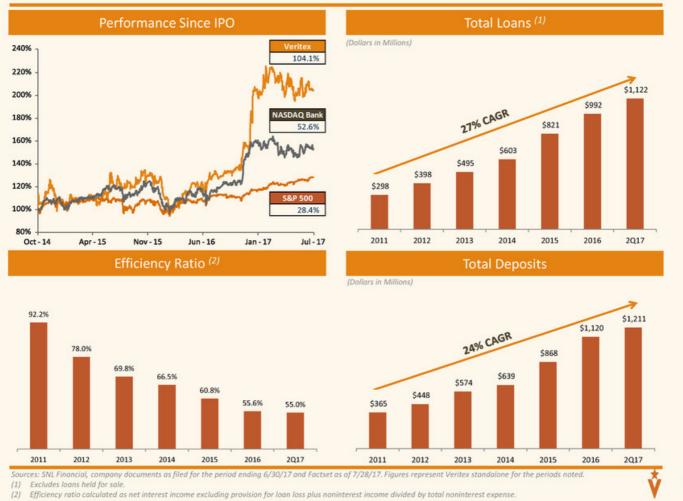
# Equity Offering Term Sheet

lssuer	Veritex Holdings, Inc.
NASDAQ Symbol	VBTX
Offering Type	Follow-On
Security	Common Stock
Base Offering	\$50 Million
Option	15%
Use of Proceeds	Cash consideration for a portion of the Liberty merger and for gener corporate purposes to support our continued growth, including investments in our bank subsidiary and future strategic acquisitions
Lockup Period <sup>(1)</sup>	90 days
Sole Bookrunner	Stephens Inc.
Co-Manager	Piper Jaffray & Co.



# Experienced Leadership

Executive Management							
C. Malcolm Holland, III Chairman of the Board, Chief Executive Officer	<ul> <li>35 years of banking experience in Texas</li> <li>Former CEO of Texas region for Colonial Bank, which grew from \$625 million to \$1.6 billion</li> <li>Former President of First Mercantile Bank</li> </ul>						
William C. Murphy Vice Chairman	<ul> <li>45 years of banking experience</li> <li>Former Chairman or CEO of several Dallas community banks</li> <li>Has led 25 financial institution transactions</li> </ul>						
Noreen E. Skelly Chief Financial Officer	<ul> <li>30 years of banking experience</li> <li>Former CFO of Highlands Bancshares, Inc.</li> <li>Former SVP and Retail line of business chief finance officer for Comerica and LaSalle Banks</li> </ul>						
Jeff Kesler Chief Lending Officer	<ul> <li>16 years of banking experience</li> <li>Former president of Dallas and Austin markets for Colonial Bank</li> </ul>						
Clay Riebe Chief Credit Officer	<ul> <li>30 years of banking experience</li> <li>Former Chief Lending Officer of American Momentum Bank</li> <li>Former market president of Citibank's Bryan/College Station markets</li> </ul>						
LaVonda Renfro Chief Retail Officer	<ul> <li>32 years of banking experience</li> <li>Former Retail Executive of Colonial Bank/BB&amp;T</li> <li>Former Senior Vice President, District Manager for Bank of America's Austin and San Antonio markets</li> </ul>						
Angela Harper Chief Risk Officer	<ul> <li>25 years of banking experience</li> <li>Former Senior Vice President, Credit Administration Officer and Risk Management Officer for the Texas Region of Colonial Bank</li> </ul>						

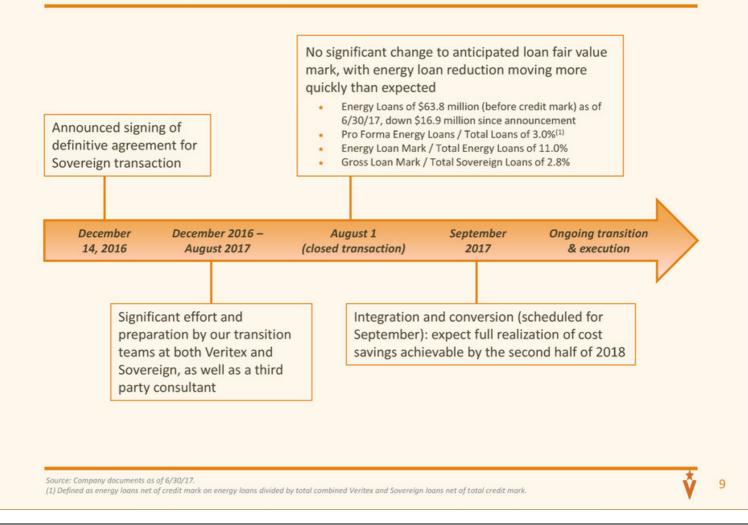


# Commitment to Delivering Shareholder Value

# Recently Announced Q2 Highlights

Earnings Trends	<ul> <li>3.53% NIM representing a 32bps increase from Q1</li> <li>55.0% efficiency ratio</li> <li>Diluted EPS of \$0.23 vs. \$0.20 in Q1</li> </ul>
Loan Growth	<ul> <li>~40% annualized loan growth for the quarter</li> <li>Record loan production exceeding \$100 million</li> <li>Pipelines are building with the addition of experienced lending executives to our already strong team</li> </ul>
Pristine Credit	<ul> <li>0.13% NPAs to Total Assets</li> <li>No material net charge offs in the quarter</li> <li>Continued strong credit trends</li> </ul>
M&A Update	<ul> <li>Closed Sovereign transaction on August 1</li> <li>Poised for a seamless transition and integration</li> </ul>

## Sovereign Integration Update



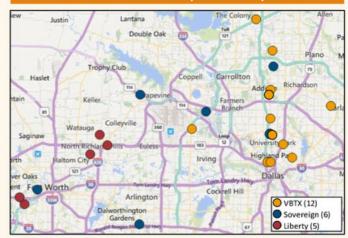
## Announced Acquisition of Liberty Bancshares

#### **Company Overview**

- Fort Worth-based bank founded in 1985 with 5 branches in Tarrant County
- Largest remaining independent bank with significant assets in Fort Worth and Tarrant County
- Experienced lending team with intimate \* knowledge of Tarrant County market
- Strong asset quality

#### Financial Summary<sup>(1)</sup> Consolidated Balance Sheet Data (\$ in 000s) \$ 459,287 Total Assets Total Loans 330,206 **Total Deposits** 389,440 Loans / Deposits 84.8% 35,207 **Tangible Common Equity** \$ TCE / TA 7.9% Bank Level Profitability Data (MRQ 6/30/17) 0.91% ROAA Net Interest Margin 3.94% **Efficiency Ratio** 62.2% Asset Quality NPAs / Assets 0.36%

### **Pro Forma Metroplex Footprint**



- Strong pro forma<sup>(2)</sup> Tarrant County deposit \* franchise:
  - Ranked 11<sup>th</sup> in deposits in Tarrant County

10

Ranked 4th among Texas-based banks

Source: SNL Financial and company documents. Weighted deposit market share rank based upon SNL Branch Analytics. (1) Data as of and for the second quarter ended 6/30/17.

(2) Pro forma represents combined Veritex, Sovereign and Liberty figures as of 6/30/17, excluding purchase accounting adjustments.

### Significant Expansion in Attractive Fort Worth Market

#### **Market Highlights**

- Tarrant County is the 5<sup>th</sup> fastest growing \* county in the U.S.
- Fort Worth is the 16<sup>th</sup> largest city in the U.S. ranked by population
- Headquarters for several major U.S. \* corporations plus significant ongoing corporate relocations and expansions
- Veritex's pro forma<sup>(1)</sup> Tarrant County franchise will include:
  - 8 branch offices
  - \$501 million in loans
  - \$515 million in deposits



Pro Forma Deposit Market Share

(Dollars in Thousands)

Tarrant County										
Overall TX H0 Rank Rank		Bank	City	State	Weighted Deposits <sup>(2)</sup>					
1		JPMorgan Chase & Co.	New York	NY	\$ 7,280,813					
2		Wells Fargo & Co.	San Francisco	CA	6,075,447					
3		Bank of America Corp.	Charlotte	NC	4,874,500					
4	1	Cullen/Frost Bankers Inc.	San Antonio	TX	4,353,891					
5		Banco Bilbao Vizcaya Argentaria SA	Bilbao	-	2,752,698					
6		Simmons First National Corp.	Pine Bluff	AR	1,258,807					
7		BOK Financial Corp.	Tulsa	OK	813,080					
8		Pinnacle Bancorp Inc.	Omaha	NE	720,439					
9	2	Southside Bancshares Inc.	Tyler	TX	701,935					
10	3	Hilltop Holdings Inc.	Dallas	TX	521,462					
11	4	Veritex Holdings Inc.	Dallas	TX	507,843					
12	5	Comerica Inc.	Dallas	TX	409,537					
13		Capital One Financial Corp.	McLean	VA	404,159					
14	6	Colonial Holding Co.	Fort Worth	TX	361,919					
15	7	First Command Financial Services Inc.	Fort Worth	TX	328,602					

Source: SNL Financial & United States Census Bureau Estimates. (1) Pro forma represents combined Veritex, Sovereign and Liberty figures as of 6/30/17, excluding purchase accounting adjustments.

(2) Weighted deposit market share rank based upon SNL Branch Analytics.

# Summary Transaction Terms

Consideration Mix	\$25 million in cash and 1,450,000 shares
Transaction Value	\$63.5 million based on a VBTX closing price of \$26.53 as of 7/28/17
Price / TBV	1.80x
Price / 2017 Net Income	17.4x
Core Deposit Premium <sup>(1)</sup>	9.2%
Minimum Tangible Common Equity	\$32.75 million required at close
Required Approvals	Customary regulatory and shareholder approvals
Expected Closing	Late Q4 2017 or early Q1 2018
Collars <sup>(2)</sup>	Shares and cash fixed between closing date 20-Day VWAP of \$24.83 and \$30.35

# Liberty Bancshares Transaction Impact

Strategic Rationale		<ul> <li>Accretive deployment of capital raised in December 2016</li> <li>Enhances presence in the Fort Worth market, complementing locations from the Sovereign acquisition</li> </ul>							
	<ul> <li>Low risk integration due to same core processing platform and in-market transaction</li> </ul>								
	<ul> <li>EPS accretion in 2018 of ~8 anticipated expense savings</li> </ul>	% (before equity raise) with partial realization of s							
Attractive Financial Returns <sup>(1)</sup>	<ul> <li>EPS accretion in 2019 of ~9 expense savings</li> </ul>								
		less than 3 year earnback (crossover method), ne-time transaction expenses							
Constant	★ TCE / TA:	8.8%							
Capital Impact <sup>(1)</sup>	★ Total RBC:	11.2%							
(before	* 100% CL&D Guideline:	~125%							
quity raise)	★ 300% CRE Guideline:	~360%							

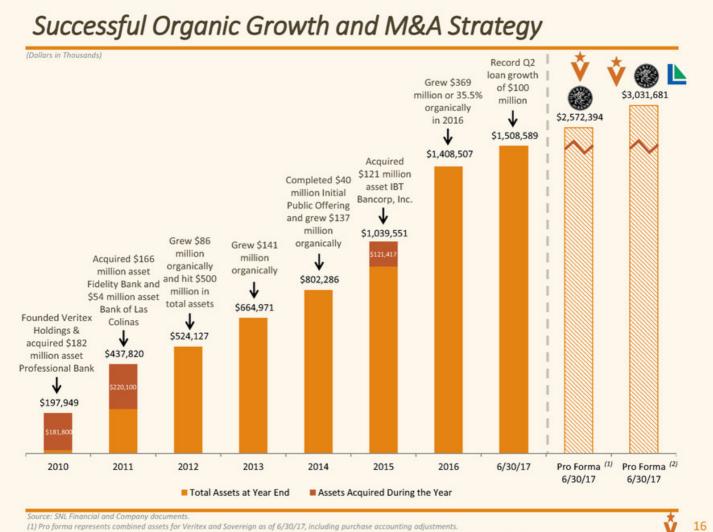
# Accretive Transaction Combined with Growth Capital

		consideration in Sovereig Represents unique oppor TBVPS accretion without	rtunity to provi		nd meaningful				
Growth Capital		<ul> <li>The merger and offering combined is slightly accretive to 2018 EPS before assuming any deployment or leveraging of growth capital</li> </ul>							
	*	Positions Veritex to take	full advantage	of significant growth	opportunities				
		<ul> <li>Robust loan and N</li> </ul>	A&A pipelines a	are expected to cont	tinue				
		<ul> <li>Emphasis on main</li> </ul>	ntaining credit of	quality and M&A dis	ciplines				
		<ul> <li>Proven history and</li> </ul>	d relentless foc	cus on stewardship o	of capital				
		Γ	Pro Forma Liberty	Pro Forma Equity Raise					
		TCE / TA							
	:	TCE / TA Total RBC	Liberty	Equity Raise					
	•		Liberty 8.8%	Equity Raise 10.5%					
Transaction Impact	•	Total RBC	Liberty 8.8% 11.2%	Equity Raise 10.5% 13.2%					
	•	Total RBC 100% CL&D Guideline	Liberty 8.8% 11.2% ~125%	Equity Raise 10.5% 13.2% ~100%					
		Total RBC 100% CL&D Guideline 300% CRE Guideline	Liberty 8.8% 11.2% ~125% ~360%	Equity Raise 10.5% 13.2% ~100% ~300%					

rever, esumated pro jorma for completion of the Sovereign transaction (including purchase accounting adjustments) and assumes Liberty transaction closes on 12/31/17. Assumes ~\$50 million equity raise plus 15% option based on an offering price per share of \$26.53, the closing price as of 7/28/17. EPS accretion estimates represent figures before any deployment of growth capital.

# Key Transaction Assumptions

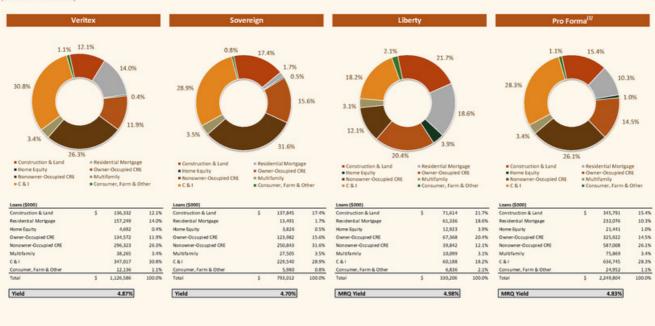
Financing	<ul> <li>Assumes ~\$12 million in existing cash used in transaction</li> <li>Assumes a \$50 million base equity offering plus 15% option to provide remaining \$13 million in cash consideration and growth capital</li> </ul>
Cost Savings	<ul> <li>Expect annual pre-tax expense savings of approximately \$3.5 million, or ~30%</li> <li>Partially achieved in year 1 and fully achieved in year 2</li> </ul>
Purchase Accounting Adjustments	<ul> <li>Gross pre-tax credit mark of approximately \$5.7 million, or ~1.7% of total loans</li> <li>Core deposit intangible of approximately \$5 million</li> </ul>
Merger Related Costs	<ul> <li>Combined pre-tax transaction expenses of approximately \$3 million</li> <li>Includes estimates for retention agreements, as well as other one-time merger costs</li> <li>Liberty merger related costs considered in minimum tangible common equity requirement</li> </ul>
	- *



(2) Proforma represents combined assets for Vertex and overeign as of 0.00 (2), including partness accounting adjustments. (2) Proforma represents combined assets for Veritex, Sovereign and Liberty as of 6/30/17, including purchase accounting adjustments for Sovereign, but not Liberty.

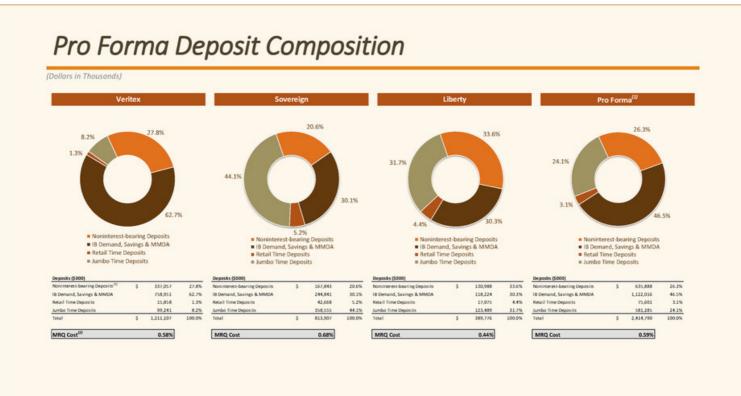
### Pro Forma Loan Composition

(Dollars in Thousands)



Source: 6/30/17 call report data from SNL. (1) Pro forma represents combined Veritex, Sovereign and Liberty figures as of 6/30/17, excluding purchase accounting adjustments.

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Source: 6/30/17 call report data from SNL.
(1) Pro forma represents combined Veritex, Sovereign and Liberty figures as of 6/30/17, excluding purchase accounting adjustments.
(2) Excludes holding company cash deposited at the bank.

### Reconciliation of Non-GAAP Measures

#### (Dollars in Thousands, Except Per Share)

The Company's management uses certain non-GAAP financial measures to evaluate its performance including tangible book value per common share and tangible common equity to tangible assets. The Company has included in this presentation information related to these non-GAAP financial measures for the applicable periods presented. Reconciliation of these non-GAAP financial measures to the most directly comparable GAAP financial measures are presented in the table below.

					As of December 31,									As of
		2011		2012		2013		2014		2015		2016		6/30/17
Total Stockholders' Equity	\$	58,676	\$	61,860	\$	66,239	\$	113,312	\$	132,046	\$	239,088	\$	247,602
Preferred Stock	—	(8,000)		(8,000)	_	(8,000)	_	(8,000)	_			-	_	-
Common Equity		50,676		53,860		58,239		105,312		132,046		239,088		247,602
Goodwill		(19,148)		(19,148)		(19,148)		(19,148)		(26,865)		(26,865)		(26,865)
Intangible Assets	_	(2,183)		(1,875)	_	(1,567)	_	(1,261)	_	(2,410)	_	(2,181)	_	(2,171)
Tangible Common Equity		29,345		32,837		37,524		84,903		102,771		210,042		218,566
Common Shares Outstanding	_	5,554		5,694	_	5,805		9,471	_	10,712	_	15,195	_	15,233
Tangible Book Value per Share	\$	5.28	\$	5.77	\$	6.46	\$	8.96	\$	9.59	\$	13.82	\$	14.35
Total Assets	\$	437,820	\$	524,127	\$	664,946	\$	802,231	\$	1,039,551	\$	1,408,507	\$	1,508,589
Goodwill		(19,148)		(19,148)		(19,148)		(19,148)		(26,865)		(26,865)		(26,865)
Intangible Assets	_	(2,183)		(1,875)	_	(1,567)	_	(1,261)		(2,410)		(2,181)	_	(2,171)
Tangible Assets		416,489		503,104		644,231		781,822		1,010,276		1,379,461		1,479,553
Tangible Common Equity	_	29,345	-	32,837	_	37,524	_	84,903		102,771		210,042	_	218,566
TCE / TA		7.0%		6.5%		5.8%		10.9%		10.2%		15.2%		14.8%

Source: Company documents.

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