YOUR VOTE IS IMPORTANT. PLEASE VOTE TODAY.

Vote by Internet – QUICK ★★★ EASY IMMEDIATE - 24 Hours a Day, 7 Days a Week or by Mail

VERITEX HOLDINGS, INC.

Your Internet vote authorizes the named proxies to vote your shares in the same manner as if you marked, signed and returned your proxy card. Votes submitted electronically over the Internet must be received by 10:59 p.m., Central Time, on May 20, 2019.

☐ INTERNET/MOBILE www.cstproxyvote.com

Use the Internet to vote your proxy. Have your proxy card available when you access the above website. Follow the prompts to vote your shares.

MAIL - Mark, sign and date your proxy card and return it in the postage-paid envelope provided.

PLEASE DO NOT RETURN THE PROXY CARD IF YOU ARE VOTING ELECTRONICALLY.

▲ FOLD HERE · DO NOT SEPARATE · INSERT IN ENVELOPE PROVIDED ▲

PROXY

Restated Omnibus Incentive Plan.

THIS PROXY WHEN PROPERLY EXECUTED WILL BE VOTED AS INDICATED, OR IF NO DIRECTION IS INDICATED, WILL BE VOTED "FOR" PROPOSAL 1, 2, 3, 4, AND 6 AND "1 YEAR" FOR PROPOSAL 5, AND IN THE PROXIES' DISCRETION ON ANY OTHER MATTERS COMING BEFORE THE MEETING. THIS PROXY IS SOLICITED ON

Please mark your votes like this	X

ON BEHALF OF THE BOARD OF DIRECTORS.		
Election of Directors (1) C. Malcolm Holland, III Nominees to vote (except as m listed to the the contrary) for all n	equity awards made in January 2019.	ЗТА
(2) Pat S. Bolin (3) William D. Ellis (4) Ned N. Fleming, III		ЗТА
(5) Mark C. Griege(6) Steven D. Lerner	5. Advisory vote on the frequency 1 Year 2 Years 3 Years ABS of future advisory votes on executive compensation.	STA
(7) Manuel J. Mehos(8) Gregory B. Morrison(9) John T. Sughrue	6. To ratify the appointment of Grant Thornton LLP as the independent registered public accounting firm of the Company for the year ending December 31, 2019.	STA
(Instruction: To withhold authority to vote for any indiv nominee, strike a line through that nominee's name i list above)	1 the PROPOSAL 1, 2, 3, 4 AND 6 AND RECOMMENDS A VOTE F "1 YEAR" FOR PROPOSAL 5.	-
2. To approve the 2019 Amended and FOR AGAINST A	BSTAIN CONTROL NUMBER	

Signature, if held jointly_ Note: Please sign exactly as name appears hereon. When shares are held by joint owners, both should sign. When signing as attorney, executor, administrator, trustee, guardian, or corporate officer, please give title as such.

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting of Shareholders to be held on May 21, 2019

The proxy statement and our 2018 Annual Report to Shareholders are available at http://ir.veritexbank.com/phoenix.zhtml?c=253740&p=proxy

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PROXY

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

VERITEX HOLDINGS, INC.

The undersigned appoints C. Malcolm Holland, III and Terry S. Earley, and each of them, as proxies, each with the power to appoint his substitute, and authorizes each of them to represent and to vote, as designated on the reverse hereof, all of the shares of common stock of Veritex Holdings, Inc. held of record by the undersigned at the close of business on March 25, 2019 at the Annual Meeting of Shareholders of Veritex Holdings, Inc. to be held on May 21, 2019 at 5 p.m. Central Time at 8214 Westchester Drive, Suite 735, Dallas, TX 75225, or at any adjournment thereof.

THIS PROXY WHEN PROPERLY EXECUTED WILL BE VOTED AS INDICATED. IF NO CONTRARY INDICATION IS MADE, THE PROXY WILL BE VOTED IN FAVOR OF ELECTING THE NINE NOMINEES TO THE BOARD OF DIRECTORS, AND IN FAVOR OF PROPOSAL 2, 3, 4, AND 6 AND "1 YEAR" FOR PROPOSAL 5, AND IN ACCORDANCE WITH THE JUDGMENT OF THE PERSONS NAMED AS PROXY HEREIN ON ANY OTHER MATTERS THAT MAY PROPERLY COME BEFORE THE ANNUAL MEETING. THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS.

(Continued, and to be marked, dated and signed, on the other side)