



MAINSTREET BANCSHARES, INC.
10089 FAIRFAX BLVD.
FAIRFAX, VA 22030

VOTE BY INTERNET - www.proxyvote.com

Use the Internet to transmit your voting instructions and for electronic delivery of information. Vote by 11:59 P.M. EDT on May 19, 2020. Have your proxy card in hand when you access the web site and follow the instructions to obtain your records and to create an electronic voting instruction form.

ELECTRONIC DELIVERY OF FUTURE PROXY MATERIALS

If you would like to reduce the costs incurred by our company in mailing proxy materials, you can consent to receiving all future proxy statements, proxy cards and annual reports electronically via e-mail or the Internet. To sign up for electronic delivery, please follow the instructions above to vote using the Internet and, when prompted, indicate that you agree to receive or access proxy materials electronically in future years.

VOTE BY PHONE - 1-800-690-6903

Use any touch-tone telephone to transmit your voting instructions. Vote by 11:59 P.M. EDT on May 19, 2020. Have your proxy card in hand when you call and then follow the instructions.

VOTE BY MAIL

Mark, sign and date your proxy card and return it in the postage-paid envelope we have provided or return it to Vote Processing, c/o Broadridge, 51 Mercedes Way, Edgewood, NY 11717. If you vote by mail, your proxy must be received by 10:00 A.M. EDT, on May 20, 2020.

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK AS FOLLOWS:

D08478-P38843

KEEP THIS PORTION FOR YOUR RECORDS
DETACH AND RETURN THIS PORTION ONLY

THIS PROXY CARD IS VALID ONLY WHEN SIGNED AND DATED.

MAINSTREET BANCSHARES, INC.

The Board of Directors recommends you vote FOR Proposals 1 and 2:

1. Nominees for Three-Year Terms

For All Withhold All For All Except

To withhold authority to vote for any individual nominee(s), mark "For All Except" and write the number(s) of the nominee(s) on the line below.

Nominees:

- 01) Jeff W. Dick
- 02) Paul Thomas Haddock
- 03) Terry M. Saeger

2. The ratification of the appointment of Yount, Hyde & Barbour, P.C. as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2020.

For Against Abstain

NOTE: Such other business as may properly come before the Meeting or any adjournment thereof.

Please sign exactly as your name(s) appear(s) hereon. When signing as attorney, executor, administrator, or other fiduciary, please give full title as such. Joint owners should each sign personally. All holders must sign. If a corporation or partnership, please sign in full corporate or partnership name by authorized officer.

Signature [PLEASE SIGN WITHIN BOX] Date

Signature (Joint Owners) Date

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting: The Notice and Proxy Statement and Annual Report are available at www.ir.mstreetbank.com

D08479-P38843

**MAINSTREET BANCSHARES, INC.
Annual Meeting of Shareholders
May 20, 2020, 11:00 AM Eastern Time
This proxy is solicited by the Board of Directors**

The undersigned shareholders hereby appoint Elizabeth Bennett and Patsy I. Rust, or either of them, as proxies, each with the power to appoint her substitute, and hereby authorize them to represent and to vote, as designated on the reverse side of this proxy, all of the shares of Common Stock of MAINSTREET BANCSHARES, INC. that the shareholders are entitled to vote at the Annual Meeting of Shareholders to be held at 11:00 AM, EDT on May 20, 2020, at the MainStreet Bank headquarters, 10089 Fairfax Blvd, Fairfax, VA 22030, and any adjournment or postponement thereof.

This proxy, when properly executed, will be voted in the manner directed herein. If no such direction is made, this proxy will be voted "For" Proposals 1 and 2. If any other business is presented as to which this proxy confers discretionary authority, this proxy will be voted as determined by a majority of the Board of Directors. You may revoke this proxy at any time before it is voted at the Annual Meeting.

THE BOARD OF DIRECTORS RECOMMENDS A VOTE "FOR" ALL THE BOARD NOMINEES (PROPOSAL 1) AND "FOR" RATIFICATION OF APPOINTMENT OF THE INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM (PROPOSAL 2).

Continued and to be signed on reverse side