

| Tentative Auction Schedule of U.S. Treasury Securities |     |                          |                          |                          |
|--|-----|--------------------------|--------------------------|--------------------------|
| Security Type  |     | Announcement Date        | Auction Date             | Settlement Date          |
| 3-Year NOTE  |     | Wednesday, May 01, 2019  | Tuesday, May 07, 2019    | Wednesday, May 15, 2019  |
| 10-Year NOTE   |     | Wednesday, May 01, 2019  | Wednesday, May 08, 2019  | Wednesday, May 15, 2019  |
| 30-Year BOND   |     | Wednesday, May 01, 2019  | Thursday, May 09, 2019   | Wednesday, May 15, 2019  |
| 13-Week BILL   |     | Thursday, May 02, 2019   | Monday, May 06, 2019     | Thursday, May 09, 2019   |
| 26-Week BILL   |     | Thursday, May 02, 2019   | Monday, May 06, 2019     | Thursday, May 09, 2019   |
| 4-Week BILL  |     | Tuesday, May 07, 2019    | Thursday, May 09, 2019   | Tuesday, May 14, 2019    |
| 8-Week BILL  |     | Tuesday, May 07, 2019    | Thursday, May 09, 2019   | Tuesday, May 14, 2019    |
| 13-Week BILL   |     | Thursday, May 09, 2019   | Monday, May 13, 2019     | Thursday, May 16, 2019   |
| 26-Week BILL   |     | Thursday, May 09, 2019   | Monday, May 13, 2019     | Thursday, May 16, 2019   |
| 4-Week BILL  |     | Tuesday, May 14, 2019    | Thursday, May 16, 2019   | Tuesday, May 21, 2019    |
| 8-Week BILL  |     | Tuesday, May 14, 2019    | Thursday, May 16, 2019   | Tuesday, May 21, 2019    |
| 13-Week BILL   |     | Thursday, May 16, 2019   | Monday, May 20, 2019     | Thursday, May 23, 2019   |
| 26-Week BILL   |     | Thursday, May 16, 2019   | Monday, May 20, 2019     | Thursday, May 23, 2019   |
| 52-Week BILL   |     | Thursday, May 16, 2019   | Tuesday, May 21, 2019    | Thursday, May 23, 2019   |
| 10-Year TIPS   | R T | Thursday, May 16, 2019   | Thursday, May 23, 2019   | Friday, May 31, 2019     |
| 4-Week BILL  |     | Tuesday, May 21, 2019    | Thursday, May 23, 2019   | Tuesday, May 28, 2019    |
| 8-Week BILL  |     | Tuesday, May 21, 2019    | Thursday, May 23, 2019   | Tuesday, May 28, 2019    |
| 13-Week BILL   |     | Thursday, May 23, 2019   | Tuesday, May 28, 2019    | Thursday, May 30, 2019   |
| 26-Week BILL   |     | Thursday, May 23, 2019   | Tuesday, May 28, 2019    | Thursday, May 30, 2019   |
| 2-Year NOTE  |     | Thursday, May 23, 2019   | Tuesday, May 28, 2019    | Friday, May 31, 2019     |
| 5-Year NOTE  |     | Thursday, May 23, 2019   | Tuesday, May 28, 2019    | Friday, May 31, 2019     |
| 2-Year FRN   | R   | Thursday, May 23, 2019   | Wednesday, May 29, 2019  | Friday, May 31, 2019     |
| 7-Year NOTE  |     | Thursday, May 23, 2019   | Wednesday, May 29, 2019  | Friday, May 31, 2019     |
| Holiday - Monday, May 27, 2019 - Memorial Day          |     |                          |                          |                          |
| 4-Week BILL  |     | Tuesday, May 28, 2019    | Thursday, May 30, 2019   | Tuesday, June 04, 2019   |
| 8-Week BILL  |     | Tuesday, May 28, 2019    | Thursday, May 30, 2019   | Tuesday, June 04, 2019   |
| 13-Week BILL   |     | Thursday, May 30, 2019   | Monday, June 03, 2019    | Thursday, June 06, 2019  |
| 26-Week BILL   |     | Thursday, May 30, 2019   | Monday, June 03, 2019    | Thursday, June 06, 2019  |
| 4-Week BILL  |     | Tuesday, June 04, 2019   | Thursday, June 06, 2019  | Tuesday, June 11, 2019   |
| 8-Week BILL  |     | Tuesday, June 04, 2019   | Thursday, June 06, 2019  | Tuesday, June 11, 2019   |
| 13-Week BILL   |     | Thursday, June 06, 2019  | Monday, June 10, 2019    | Thursday, June 13, 2019  |
| 26-Week BILL   |     | Thursday, June 06, 2019  | Monday, June 10, 2019    | Thursday, June 13, 2019  |
| 3-Year NOTE  |     | Thursday, June 06, 2019  | Tuesday, June 11, 2019   | Monday, June 17, 2019    |
| 10-Year NOTE   | R   | Thursday, June 06, 2019  | Wednesday, June 12, 2019 | Monday, June 17, 2019    |
| 30-Year BOND   | R   | Thursday, June 06, 2019  | Thursday, June 13, 2019  | Monday, June 17, 2019    |
| 4-Week BILL  |     | Tuesday, June 11, 2019   | Thursday, June 13, 2019  | Tuesday, June 18, 2019   |
| 8-Week BILL  |     | Tuesday, June 11, 2019   | Thursday, June 13, 2019  | Tuesday, June 18, 2019   |
| 13-Week BILL   |     | Thursday, June 13, 2019  | Monday, June 17, 2019    | Thursday, June 20, 2019  |
| 26-Week BILL   |     | Thursday, June 13, 2019  | Monday, June 17, 2019    | Thursday, June 20, 2019  |
| 52-Week BILL   |     | Thursday, June 13, 2019  | Tuesday, June 18, 2019   | Thursday, June 20, 2019  |
| 5-Year TIPS  | R T | Thursday, June 13, 2019  | Thursday, June 20, 2019  | Friday, June 28, 2019    |
| 4-Week BILL  |     | Tuesday, June 18, 2019   | Thursday, June 20, 2019  | Tuesday, June 25, 2019   |
| 8-Week BILL  |     | Tuesday, June 18, 2019   | Thursday, June 20, 2019  | Tuesday, June 25, 2019   |
| 13-Week BILL   |     | Thursday, June 20, 2019  | Monday, June 24, 2019    | Thursday, June 27, 2019  |
| 26-Week BILL   |     | Thursday, June 20, 2019  | Monday, June 24, 2019    | Thursday, June 27, 2019  |
| 2-Year FRN   | R   | Thursday, June 20, 2019  | Wednesday, June 26, 2019 | Friday, June 28, 2019    |
| 2-Year NOTE  |     | Thursday, June 20, 2019  | Tuesday, June 25, 2019   | Monday, July 01, 2019    |
| 5-Year NOTE  |     | Thursday, June 20, 2019  | Wednesday, June 26, 2019 | Monday, July 01, 2019    |
| 7-Year NOTE  |     | Thursday, June 20, 2019  | Thursday, June 27, 2019  | Monday, July 01, 2019    |
| 4-Week BILL  |     | Tuesday, June 25, 2019   | Thursday, June 27, 2019  | Tuesday, July 02, 2019   |
| 8-Week BILL  |     | Tuesday, June 25, 2019   | Thursday, June 27, 2019  | Tuesday, July 02, 2019   |
| 13-Week BILL   |     | Thursday, June 27, 2019  | Monday, July 01, 2019    | Friday, July 05, 2019    |
| 26-Week BILL   |     | Thursday, June 27, 2019  | Monday, July 01, 2019    | Friday, July 05, 2019    |
| 4-Week BILL  |     | Tuesday, July 02, 2019   | Wednesday, July 03, 2019 | Tuesday, July 09, 2019   |
| 8-Week BILL  |     | Tuesday, July 02, 2019   | Wednesday, July 03, 2019 | Tuesday, July 09, 2019   |
| 13-Week BILL   |     | Wednesday, July 03, 2019 | Monday, July 08, 2019    | Thursday, July 11, 2019  |
| 26-Week BILL   |     | Wednesday, July 03, 2019 | Monday, July 08, 2019    | Thursday, July 11, 2019  |
| 3-Year NOTE  |     | Wednesday, July 03, 2019 | Tuesday, July 09, 2019   | Monday, July 15, 2019    |
| 10-Year NOTE   | R   | Wednesday, July 03, 2019 | Wednesday, July 10, 2019 | Monday, July 15, 2019    |
| 30-Year BOND   | R   | Wednesday, July 03, 2019 | Thursday, July 11, 2019  | Monday, July 15, 2019    |
| Holiday - Thursday, July 04, 2019 - Independence Day   |     |                          |                          |                          |
| 4-Week BILL  |     | Tuesday, July 09, 2019   | Thursday, July 11, 2019  | Tuesday, July 16, 2019   |
| 8-Week BILL  |     | Tuesday, July 09, 2019   | Thursday, July 11, 2019  | Tuesday, July 16, 2019   |
| 13-Week BILL   |     | Thursday, July 11, 2019  | Monday, July 15, 2019    | Thursday, July 18, 2019  |
| 26-Week BILL   |     | Thursday, July 11, 2019  | Monday, July 15, 2019    | Thursday, July 18, 2019  |
| 52-Week BILL   |     | Thursday, July 11, 2019  | Tuesday, July 16, 2019   | Thursday, July 18, 2019  |
| 10-Year TIPS   | T   | Thursday, July 11, 2019  | Thursday, July 18, 2019  | Wednesday, July 31, 2019 |
| 4-Week BILL  |     | Tuesday, July 16, 2019   | Thursday, July 18, 2019  | Tuesday, July 23, 2019   |
| 8-Week BILL  |     | Tuesday, July 16, 2019   | Thursday, July 18, 2019  | Tuesday, July 23, 2019   |
| 13-Week BILL   |     | Thursday, July 18, 2019  | Monday, July 22, 2019    | Thursday, July 25, 2019  |
| 26-Week BILL   |     | Thursday, July 18, 2019  | Monday, July 22, 2019    | Thursday, July 25, 2019  |
| 2-Year NOTE  |     | Thursday, July 18, 2019  | Tuesday, July 23, 2019   | Wednesday, July 31, 2019 |
| 2-Year FRN   |     | Thursday, July 18, 2019  | Wednesday, July 24, 2019 | Wednesday, July 31, 2019 |
| 5-Year NOTE  |     | Thursday, July 18, 2019  | Wednesday, July 24, 2019 | Wednesday, July 31, 2019 |

**Tentative Auction Schedule of U.S. Treasury Securities**

| <b>Security Type</b>                                     |            | <b>Announcement Date</b>            | <b>Auction Date</b>                  | <b>Settlement Date</b>             |
|--|------------|-------------------------------------|--------------------------------------|------------------------------------|
| <b>7-Year NOTE</b>                                       |            | <b>Thursday, July 18, 2019</b>      | <b>Thursday, July 25, 2019</b>       | <b>Wednesday, July 31, 2019</b>    |
| 4-Week BILL  |            | Tuesday, July 23, 2019              | Thursday, July 25, 2019              | Tuesday, July 30, 2019             |
| 8-Week BILL  |            | Tuesday, July 23, 2019              | Thursday, July 25, 2019              | Tuesday, July 30, 2019             |
| 13-Week BILL   |            | Thursday, July 25, 2019             | Monday, July 29, 2019                | Thursday, August 01, 2019          |
| 26-Week BILL   |            | Thursday, July 25, 2019             | Monday, July 29, 2019                | Thursday, August 01, 2019          |
| 4-Week BILL  |            | Tuesday, July 30, 2019              | Thursday, August 01, 2019            | Tuesday, August 06, 2019           |
| 8-Week BILL  |            | Tuesday, July 30, 2019              | Thursday, August 01, 2019            | Tuesday, August 06, 2019           |
| <b>3-Year NOTE</b>                                       |            | <b>Wednesday, July 31, 2019</b>     | <b>Tuesday, August 06, 2019</b>      | <b>Thursday, August 15, 2019</b>   |
| <b>10-Year NOTE</b>                                      |            | <b>Wednesday, July 31, 2019</b>     | <b>Wednesday, August 07, 2019</b>    | <b>Thursday, August 15, 2019</b>   |
| <b>30-Year BOND</b>                                      |            | <b>Wednesday, July 31, 2019</b>     | <b>Thursday, August 08, 2019</b>     | <b>Thursday, August 15, 2019</b>   |
| 13-Week BILL   |            | Thursday, August 01, 2019           | Monday, August 05, 2019              | Thursday, August 08, 2019          |
| 26-Week BILL   |            | Thursday, August 01, 2019           | Monday, August 05, 2019              | Thursday, August 08, 2019          |
| 4-Week BILL  |            | Tuesday, August 06, 2019            | Thursday, August 08, 2019            | Tuesday, August 13, 2019           |
| 8-Week BILL  |            | Tuesday, August 06, 2019            | Thursday, August 08, 2019            | Tuesday, August 13, 2019           |
| 13-Week BILL   |            | Thursday, August 08, 2019           | Monday, August 12, 2019              | Thursday, August 15, 2019          |
| 26-Week BILL   |            | Thursday, August 08, 2019           | Monday, August 12, 2019              | Thursday, August 15, 2019          |
| 52-Week BILL   |            | Thursday, August 08, 2019           | Tuesday, August 13, 2019             | Thursday, August 15, 2019          |
| 4-Week BILL  |            | Tuesday, August 13, 2019            | Thursday, August 15, 2019            | Tuesday, August 20, 2019           |
| 8-Week BILL  |            | Tuesday, August 13, 2019            | Thursday, August 15, 2019            | Tuesday, August 20, 2019           |
| 13-Week BILL   |            | Thursday, August 15, 2019           | Monday, August 19, 2019              | Thursday, August 22, 2019          |
| 26-Week BILL   |            | Thursday, August 15, 2019           | Monday, August 19, 2019              | Thursday, August 22, 2019          |
| <b>30-Year TIPS</b>                                      | <b>R T</b> | <b>Thursday, August 15, 2019</b>    | <b>Thursday, August 22, 2019</b>     | <b>Friday, August 30, 2019</b>     |
| 4-Week BILL  |            | Tuesday, August 20, 2019            | Thursday, August 22, 2019            | Tuesday, August 27, 2019           |
| 8-Week BILL  |            | Tuesday, August 20, 2019            | Thursday, August 22, 2019            | Tuesday, August 27, 2019           |
| 13-Week BILL   |            | Thursday, August 22, 2019           | Monday, August 26, 2019              | Thursday, August 29, 2019          |
| 26-Week BILL   |            | Thursday, August 22, 2019           | Monday, August 26, 2019              | Thursday, August 29, 2019          |
| <b>2-Year FRN</b>  | <b>R</b>   | <b>Thursday, August 22, 2019</b>    | <b>Wednesday, August 28, 2019</b>    | <b>Friday, August 30, 2019</b>     |
| <b>2-Year NOTE</b>                                       |            | <b>Thursday, August 22, 2019</b>    | <b>Tuesday, August 27, 2019</b>      | <b>Tuesday, September 03, 2019</b> |
| <b>5-Year NOTE</b>                                       |            | <b>Thursday, August 22, 2019</b>    | <b>Wednesday, August 28, 2019</b>    | <b>Tuesday, September 03, 2019</b> |
| <b>7-Year NOTE</b>                                       |            | <b>Thursday, August 22, 2019</b>    | <b>Thursday, August 29, 2019</b>     | <b>Tuesday, September 03, 2019</b> |
| 4-Week BILL  |            | Tuesday, August 27, 2019            | Thursday, August 29, 2019            | Tuesday, September 03, 2019        |
| 8-Week BILL  |            | Tuesday, August 27, 2019            | Thursday, August 29, 2019            | Tuesday, September 03, 2019        |
| 13-Week BILL   |            | Thursday, August 29, 2019           | Tuesday, September 03, 2019          | Thursday, September 05, 2019       |
| 26-Week BILL   |            | Thursday, August 29, 2019           | Tuesday, September 03, 2019          | Thursday, September 05, 2019       |
| <b>Holiday - Monday, September 02, 2019 - Labor Day</b>  |            |                                     |                                      |                                    |
| 4-Week BILL  |            | Tuesday, September 03, 2019         | Thursday, September 05, 2019         | Tuesday, September 10, 2019        |
| 8-Week BILL  |            | Tuesday, September 03, 2019         | Thursday, September 05, 2019         | Tuesday, September 10, 2019        |
| 13-Week BILL   |            | Thursday, September 05, 2019        | Monday, September 09, 2019           | Thursday, September 12, 2019       |
| 26-Week BILL   |            | Thursday, September 05, 2019        | Monday, September 09, 2019           | Thursday, September 12, 2019       |
| 52-Week BILL   |            | Thursday, September 05, 2019        | Tuesday, September 10, 2019          | Thursday, September 12, 2019       |
| <b>3-Year NOTE</b>                                       |            | <b>Thursday, September 05, 2019</b> | <b>Tuesday, September 10, 2019</b>   | <b>Monday, September 16, 2019</b>  |
| <b>10-Year NOTE</b>                                      | <b>R</b>   | <b>Thursday, September 05, 2019</b> | <b>Wednesday, September 11, 2019</b> | <b>Monday, September 16, 2019</b>  |
| <b>30-Year BOND</b>                                      | <b>R</b>   | <b>Thursday, September 05, 2019</b> | <b>Thursday, September 12, 2019</b>  | <b>Monday, September 16, 2019</b>  |
| 4-Week BILL  |            | Tuesday, September 10, 2019         | Thursday, September 12, 2019         | Tuesday, September 17, 2019        |
| 8-Week BILL  |            | Tuesday, September 10, 2019         | Thursday, September 12, 2019         | Tuesday, September 17, 2019        |
| 13-Week BILL   |            | Thursday, September 12, 2019        | Monday, September 16, 2019           | Thursday, September 19, 2019       |
| 26-Week BILL   |            | Thursday, September 12, 2019        | Monday, September 16, 2019           | Thursday, September 19, 2019       |
| <b>10-Year TIPS</b>                                      | <b>R T</b> | <b>Thursday, September 12, 2019</b> | <b>Thursday, September 19, 2019</b>  | <b>Monday, September 30, 2019</b>  |
| 4-Week BILL  |            | Tuesday, September 17, 2019         | Thursday, September 19, 2019         | Tuesday, September 24, 2019        |
| 8-Week BILL  |            | Tuesday, September 17, 2019         | Thursday, September 19, 2019         | Tuesday, September 24, 2019        |
| 13-Week BILL   |            | Thursday, September 19, 2019        | Monday, September 23, 2019           | Thursday, September 26, 2019       |
| 26-Week BILL   |            | Thursday, September 19, 2019        | Monday, September 23, 2019           | Thursday, September 26, 2019       |
| <b>2-Year FRN</b>  | <b>R</b>   | <b>Thursday, September 19, 2019</b> | <b>Wednesday, September 25, 2019</b> | <b>Friday, September 27, 2019</b>  |
| <b>2-Year NOTE</b>                                       |            | <b>Thursday, September 19, 2019</b> | <b>Tuesday, September 24, 2019</b>   | <b>Monday, September 30, 2019</b>  |
| <b>5-Year NOTE</b>                                       |            | <b>Thursday, September 19, 2019</b> | <b>Wednesday, September 25, 2019</b> | <b>Monday, September 30, 2019</b>  |
| <b>7-Year NOTE</b>                                       |            | <b>Thursday, September 19, 2019</b> | <b>Thursday, September 26, 2019</b>  | <b>Monday, September 30, 2019</b>  |
| 4-Week BILL  |            | Tuesday, September 24, 2019         | Thursday, September 26, 2019         | Tuesday, October 01, 2019          |
| 8-Week BILL  |            | Tuesday, September 24, 2019         | Thursday, September 26, 2019         | Tuesday, October 01, 2019          |
| 13-Week BILL   |            | Thursday, September 26, 2019        | Monday, September 30, 2019           | Thursday, October 03, 2019         |
| 26-Week BILL   |            | Thursday, September 26, 2019        | Monday, September 30, 2019           | Thursday, October 03, 2019         |
| 4-Week BILL  |            | Tuesday, October 01, 2019           | Thursday, October 03, 2019           | Tuesday, October 08, 2019          |
| 8-Week BILL  |            | Tuesday, October 01, 2019           | Thursday, October 03, 2019           | Tuesday, October 08, 2019          |
| 13-Week BILL   |            | Thursday, October 03, 2019          | Monday, October 07, 2019             | Thursday, October 10, 2019         |
| 26-Week BILL   |            | Thursday, October 03, 2019          | Monday, October 07, 2019             | Thursday, October 10, 2019         |
| 52-Week BILL   |            | Thursday, October 03, 2019          | Tuesday, October 08, 2019            | Thursday, October 10, 2019         |
| <b>3-Year NOTE</b>                                       |            | <b>Thursday, October 03, 2019</b>   | <b>Tuesday, October 08, 2019</b>     | <b>Tuesday, October 15, 2019</b>   |
| <b>10-Year NOTE</b>                                      | <b>R</b>   | <b>Thursday, October 03, 2019</b>   | <b>Wednesday, October 09, 2019</b>   | <b>Tuesday, October 15, 2019</b>   |
| <b>30-Year BOND</b>                                      | <b>R</b>   | <b>Thursday, October 03, 2019</b>   | <b>Thursday, October 10, 2019</b>    | <b>Tuesday, October 15, 2019</b>   |
| 4-Week BILL  |            | Tuesday, October 08, 2019           | Thursday, October 10, 2019           | Tuesday, October 15, 2019          |
| 8-Week BILL  |            | Tuesday, October 08, 2019           | Thursday, October 10, 2019           | Tuesday, October 15, 2019          |
| 13-Week BILL   |            | Thursday, October 10, 2019          | Tuesday, October 15, 2019            | Thursday, October 17, 2019         |
| 26-Week BILL   |            | Thursday, October 10, 2019          | Tuesday, October 15, 2019            | Thursday, October 17, 2019         |
| <b>5-Year TIPS</b>                                       | <b>T</b>   | <b>Thursday, October 10, 2019</b>   | <b>Thursday, October 17, 2019</b>    | <b>Thursday, October 31, 2019</b>  |
| <b>Holiday - Monday, October 14, 2019 - Columbus Day</b> |            |                                     |                                      |                                    |

| <b>Tentative Auction Schedule of U.S. Treasury Securities</b> |  |                                   |                                    |                                   |
|---|--|-----------------------------------|------------------------------------|-----------------------------------|
| <b>Security Type</b>  |  | <b>Announcement Date</b>          | <b>Auction Date</b>                | <b>Settlement Date</b>            |
| 4-Week BILL   |  | Tuesday, October 15, 2019         | Thursday, October 17, 2019         | Tuesday, October 22, 2019         |
| 8-Week BILL   |  | Tuesday, October 15, 2019         | Thursday, October 17, 2019         | Tuesday, October 22, 2019         |
| 13-Week BILL  |  | Thursday, October 17, 2019        | Monday, October 21, 2019           | Thursday, October 24, 2019        |
| 26-Week BILL  |  | Thursday, October 17, 2019        | Monday, October 21, 2019           | Thursday, October 24, 2019        |
| <b>2-Year NOTE</b>  |  | <b>Thursday, October 17, 2019</b> | <b>Tuesday, October 22, 2019</b>   | <b>Thursday, October 31, 2019</b> |
| <b>2-Year FRN</b>   |  | <b>Thursday, October 17, 2019</b> | <b>Wednesday, October 23, 2019</b> | <b>Thursday, October 31, 2019</b> |
| <b>5-Year NOTE</b>  |  | <b>Thursday, October 17, 2019</b> | <b>Wednesday, October 23, 2019</b> | <b>Thursday, October 31, 2019</b> |
| <b>7-Year NOTE</b>  |  | <b>Thursday, October 17, 2019</b> | <b>Thursday, October 24, 2019</b>  | <b>Thursday, October 31, 2019</b> |
| 4-Week BILL   |  | Tuesday, October 22, 2019         | Thursday, October 24, 2019         | Tuesday, October 29, 2019         |
| 8-Week BILL   |  | Tuesday, October 22, 2019         | Thursday, October 24, 2019         | Tuesday, October 29, 2019         |
| 13-Week BILL  |  | Thursday, October 24, 2019        | Monday, October 28, 2019           | Thursday, October 31, 2019        |
| 26-Week BILL  |  | Thursday, October 24, 2019        | Monday, October 28, 2019           | Thursday, October 31, 2019        |
| 4-Week BILL   |  | Tuesday, October 29, 2019         | Thursday, October 31, 2019         | Tuesday, November 05, 2019        |
| 8-Week BILL   |  | Tuesday, October 29, 2019         | Thursday, October 31, 2019         | Tuesday, November 05, 2019        |

**T** --denotes TIPS

**R** --denotes reopening

For additional information regarding Treasury auction announcements and results please see web address below:

<http://www.treasurydirect.gov/instit/annceresult/press/press.htm>