

# Combined Historical and Forward Implied Yield

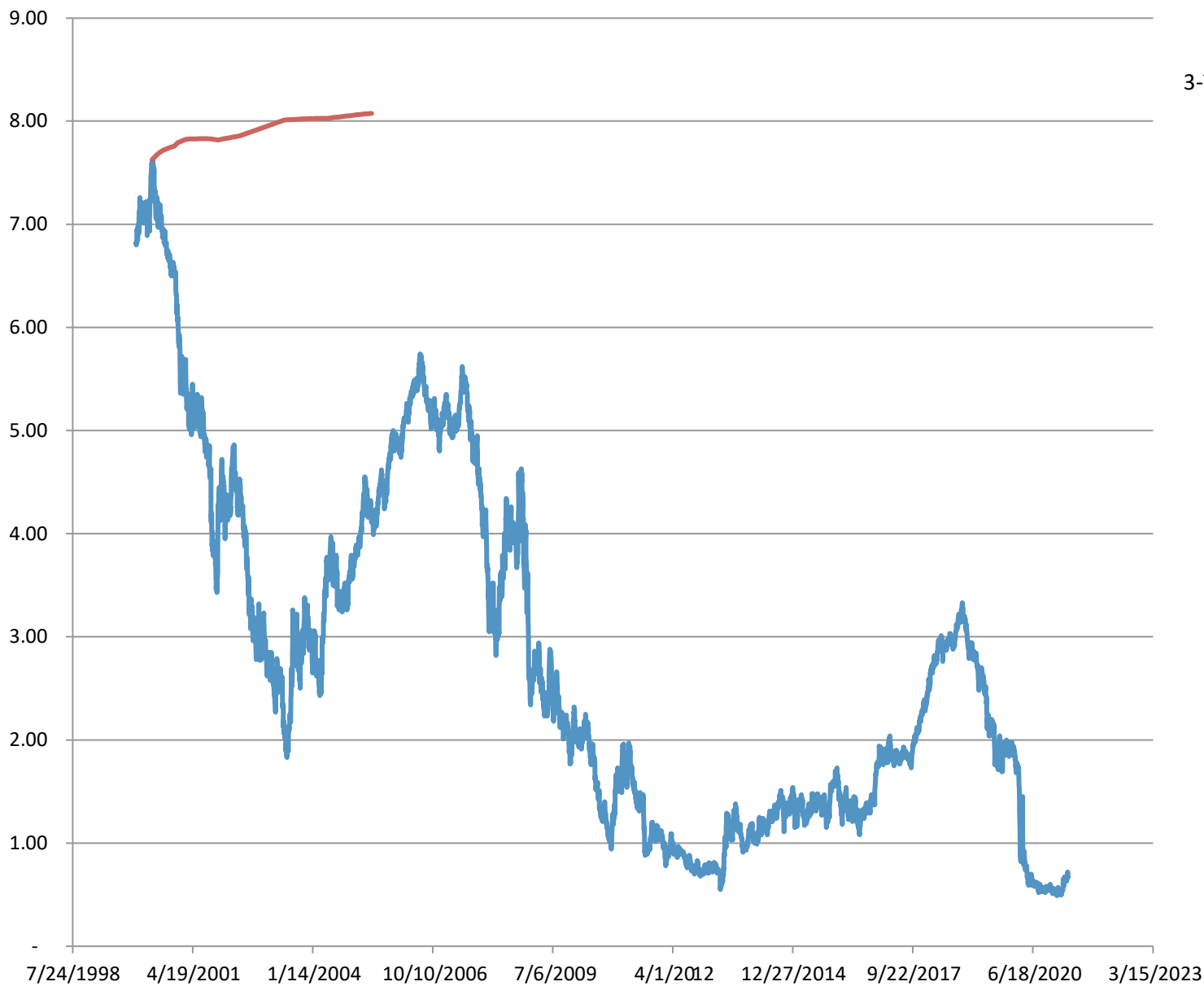
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
1/3/2000

# Combined Historical and Forward Implied Yield

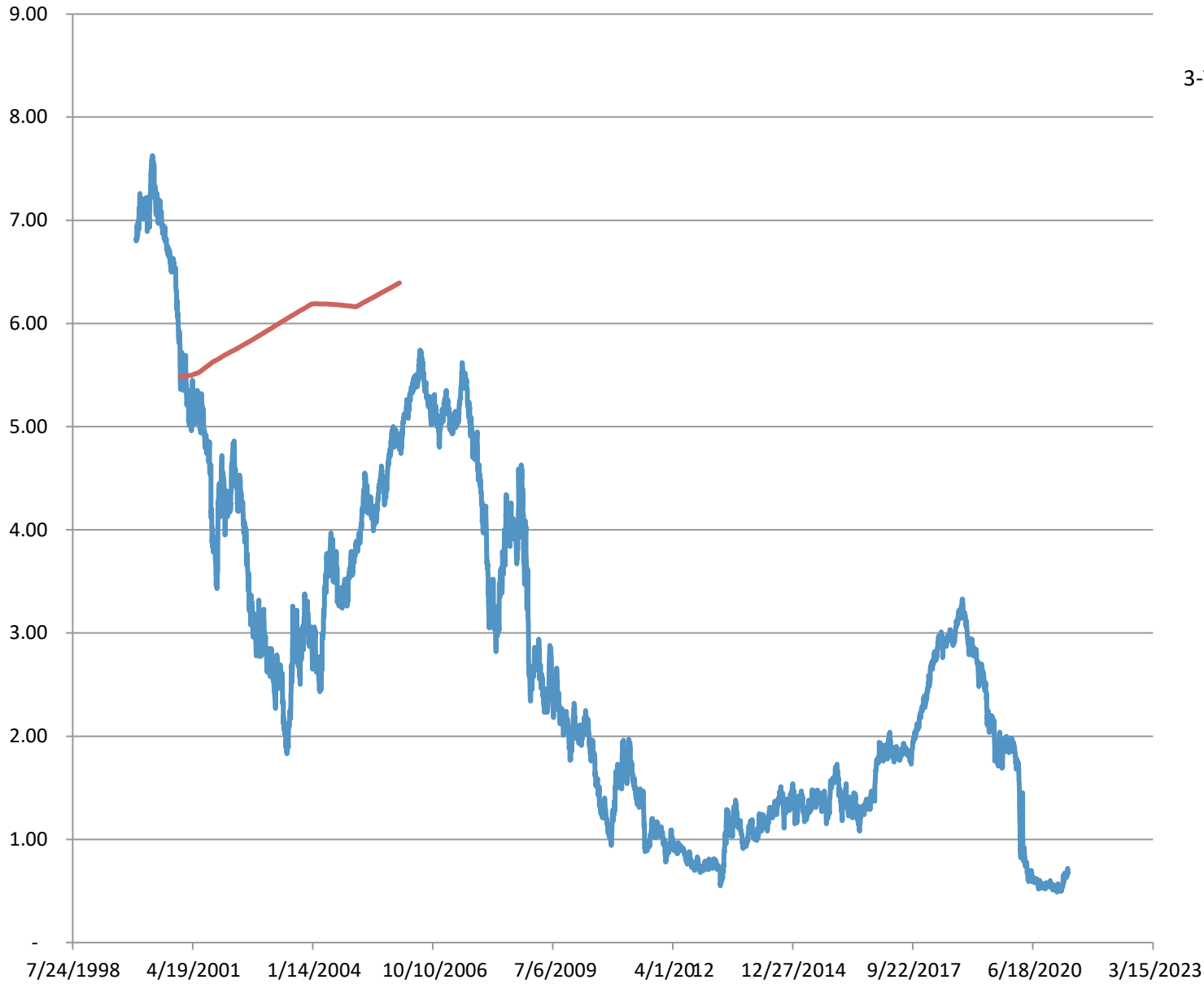
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
5/17/2000

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
1/5/2001

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
11/7/2001

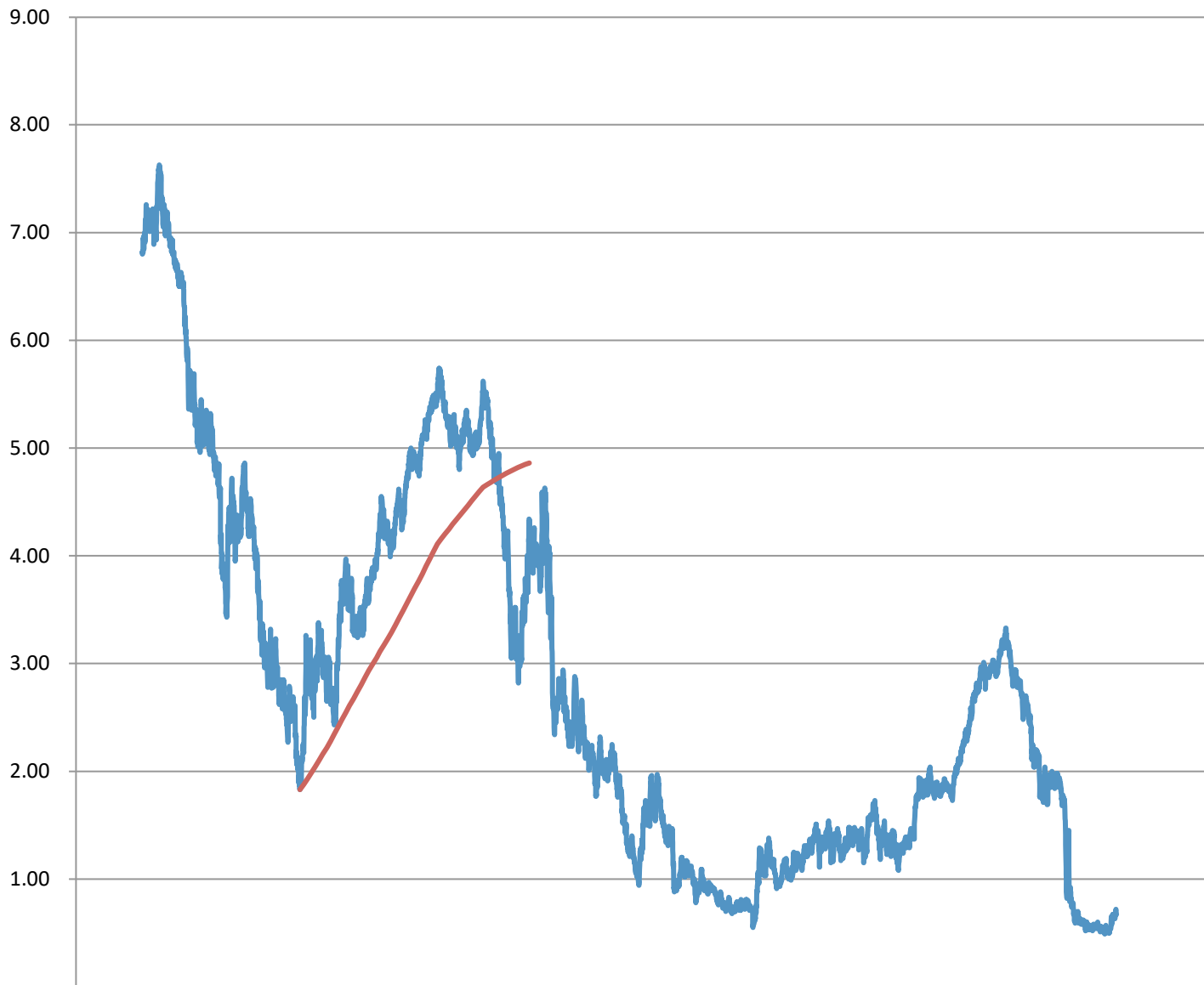
# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



# Combined Historical and Forward Implied Yield

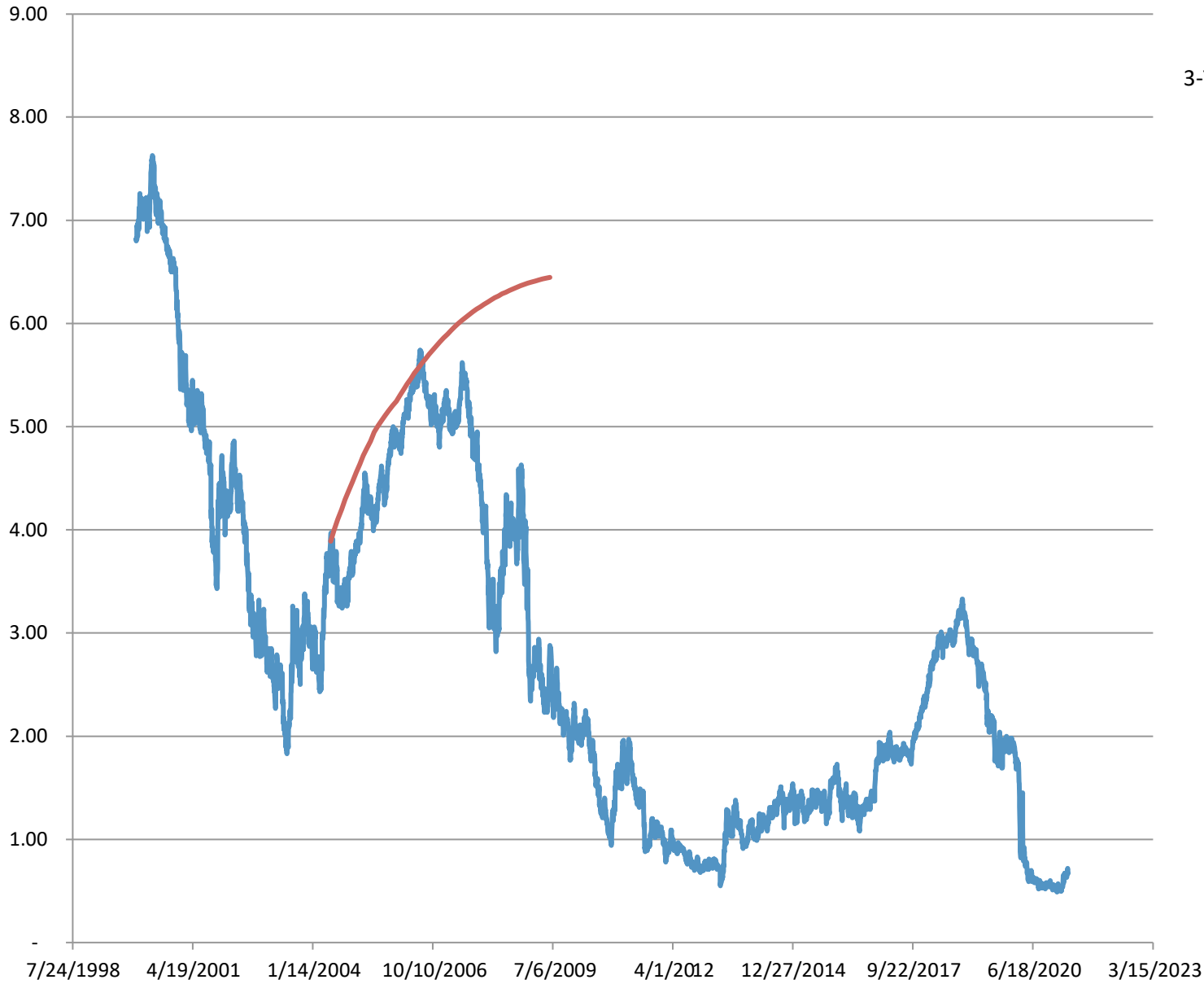
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
6/13/2003

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
6/10/2004

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
6/28/2006



# Combined Historical and Forward Implied Yield

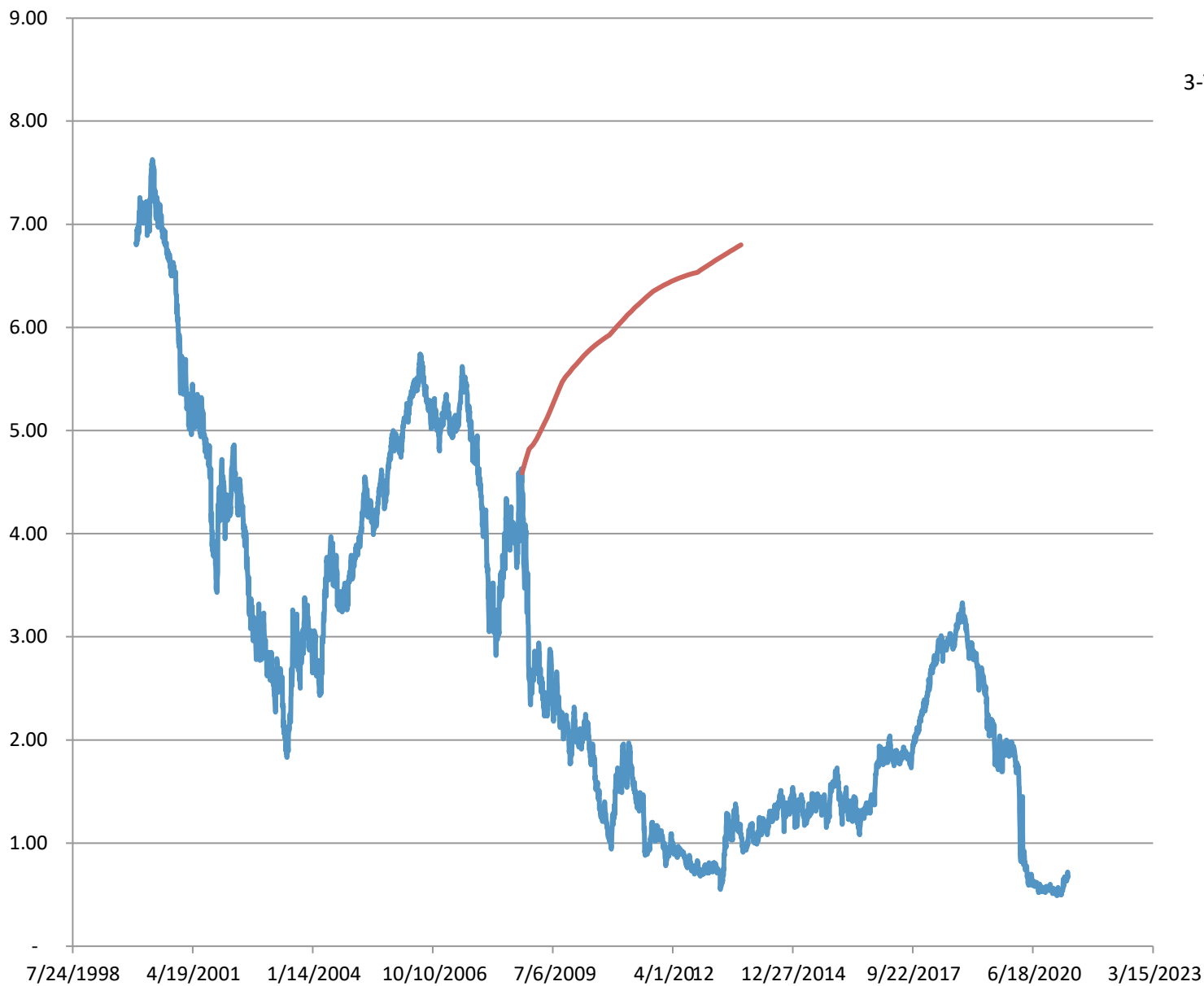
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
3/19/2008

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
10/21/2008

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
11/4/2010

# Combined Historical and Forward Implied Yield

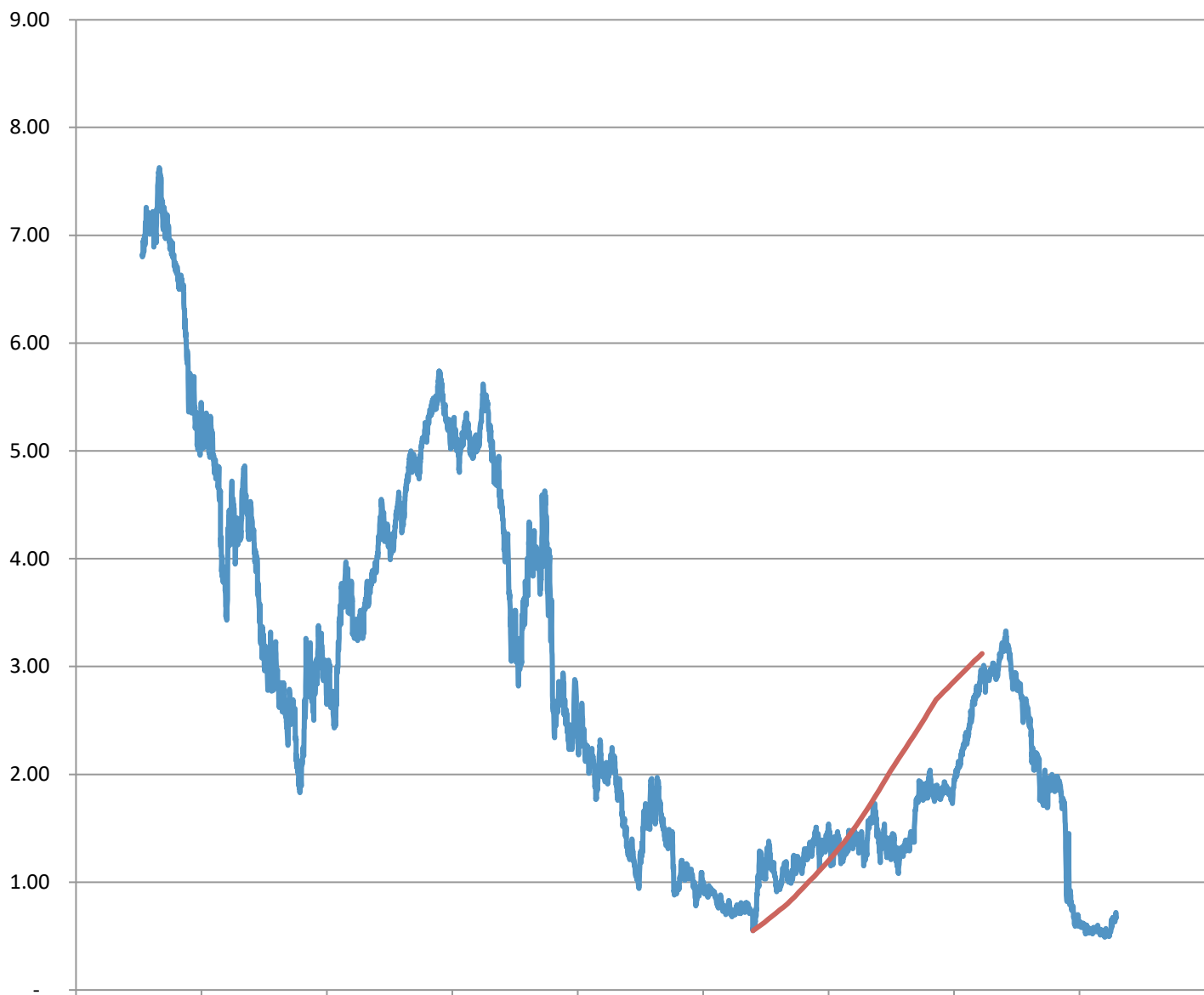
FHLB Des Moines  
3-Year Fixed Rate Advance

3 Year Historical  
Forward of 36 Mo  
2/9/2011



# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
5/2/2013

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance

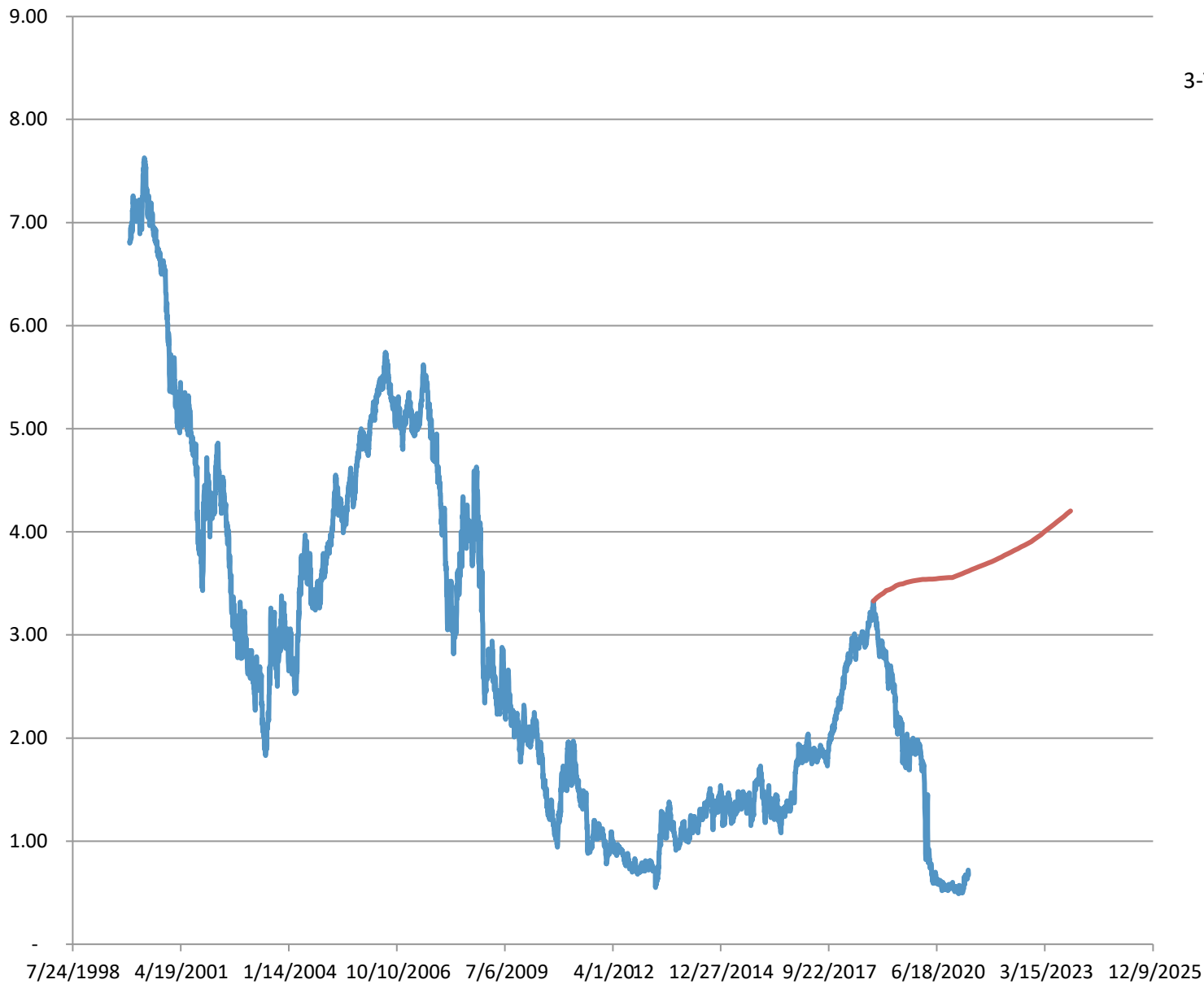
— 3 Year Historical  
— Forward of 36 Mo  
2/2/2015



# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance

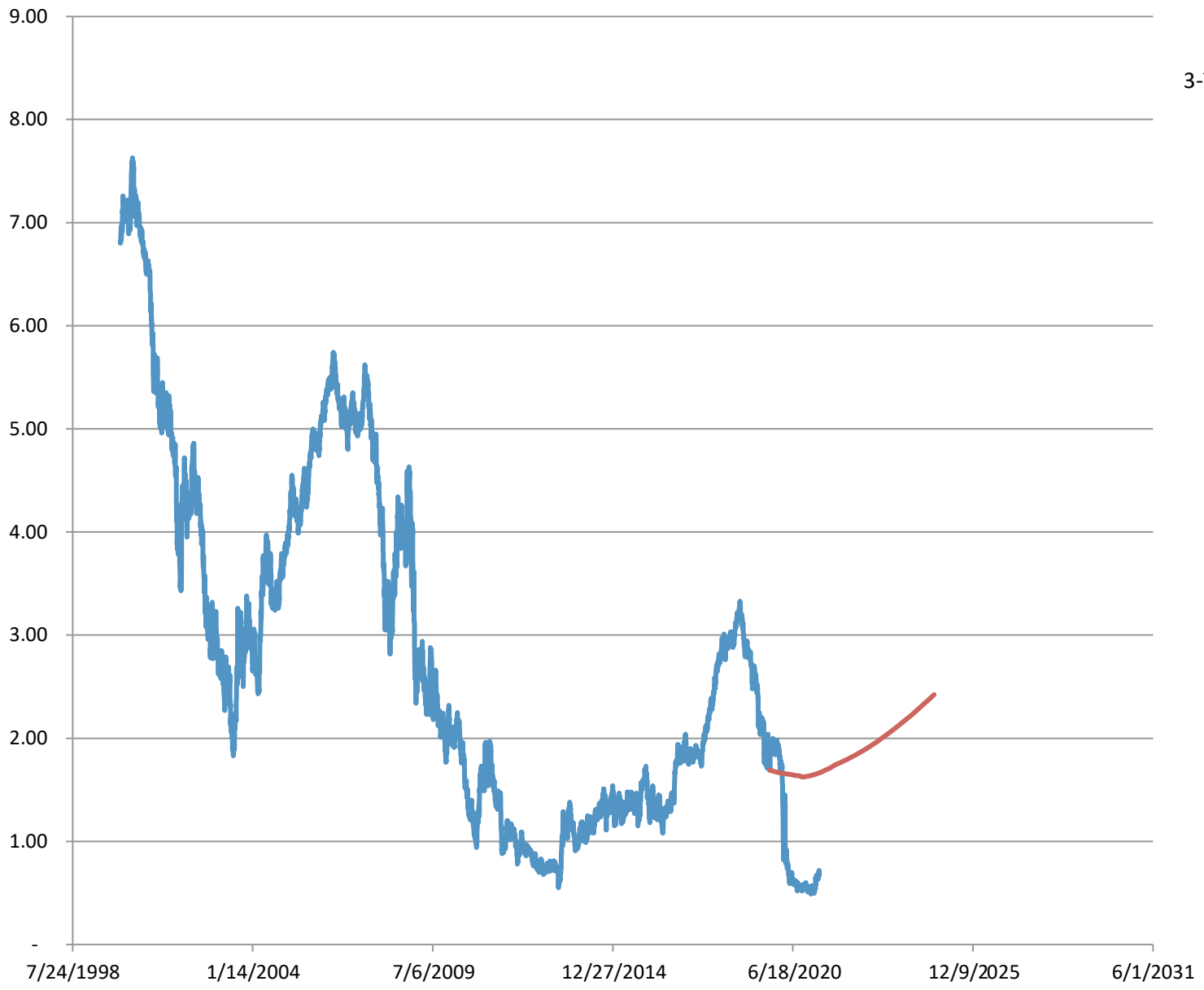
— 3 Year Historical  
— Forward of 36 Mo  
11/8/2018



# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance

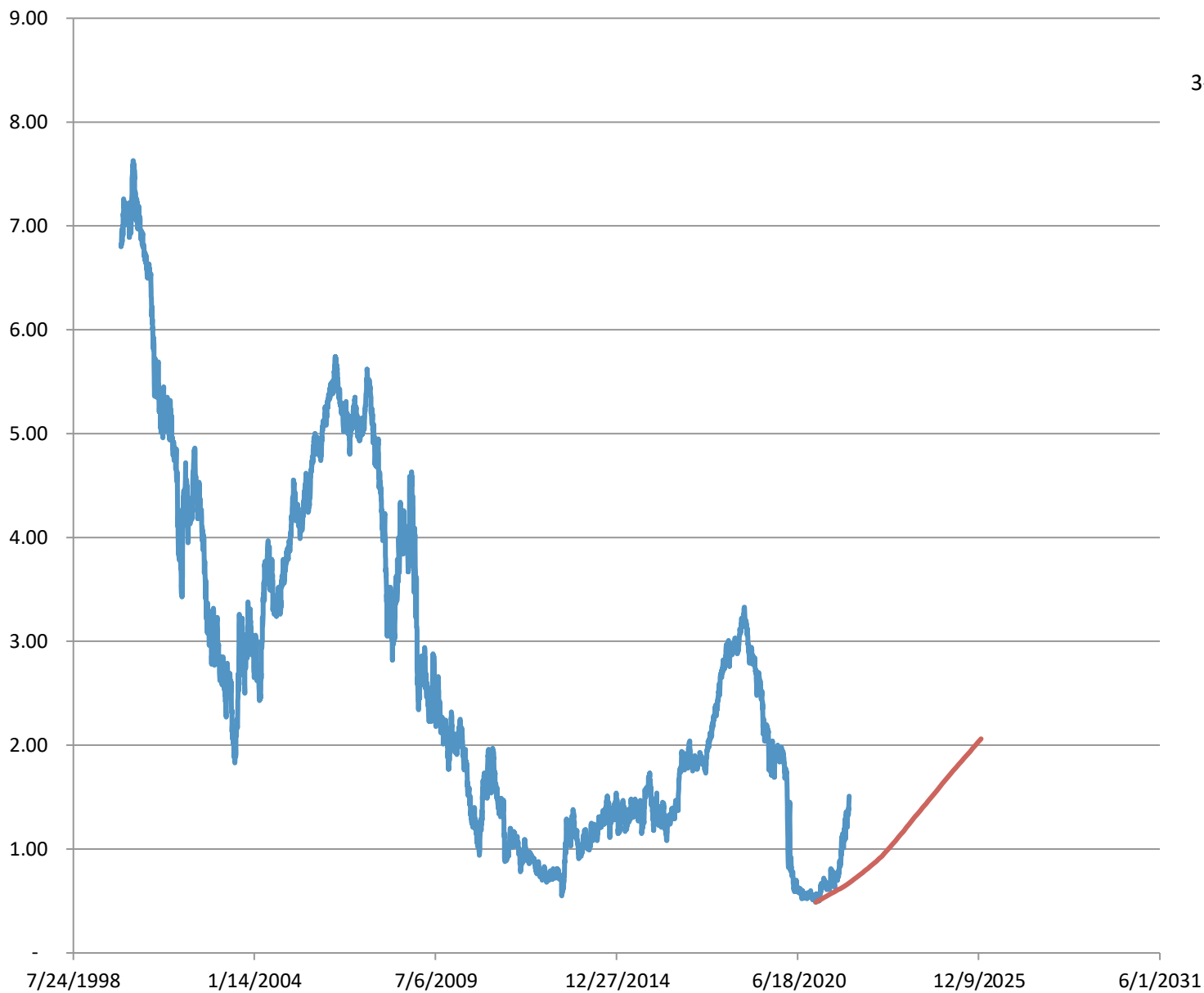
— 3 Year Historical  
— Forward of 36 Mo  
10/4/2019





# Combined Historical and Forward Implied Yield

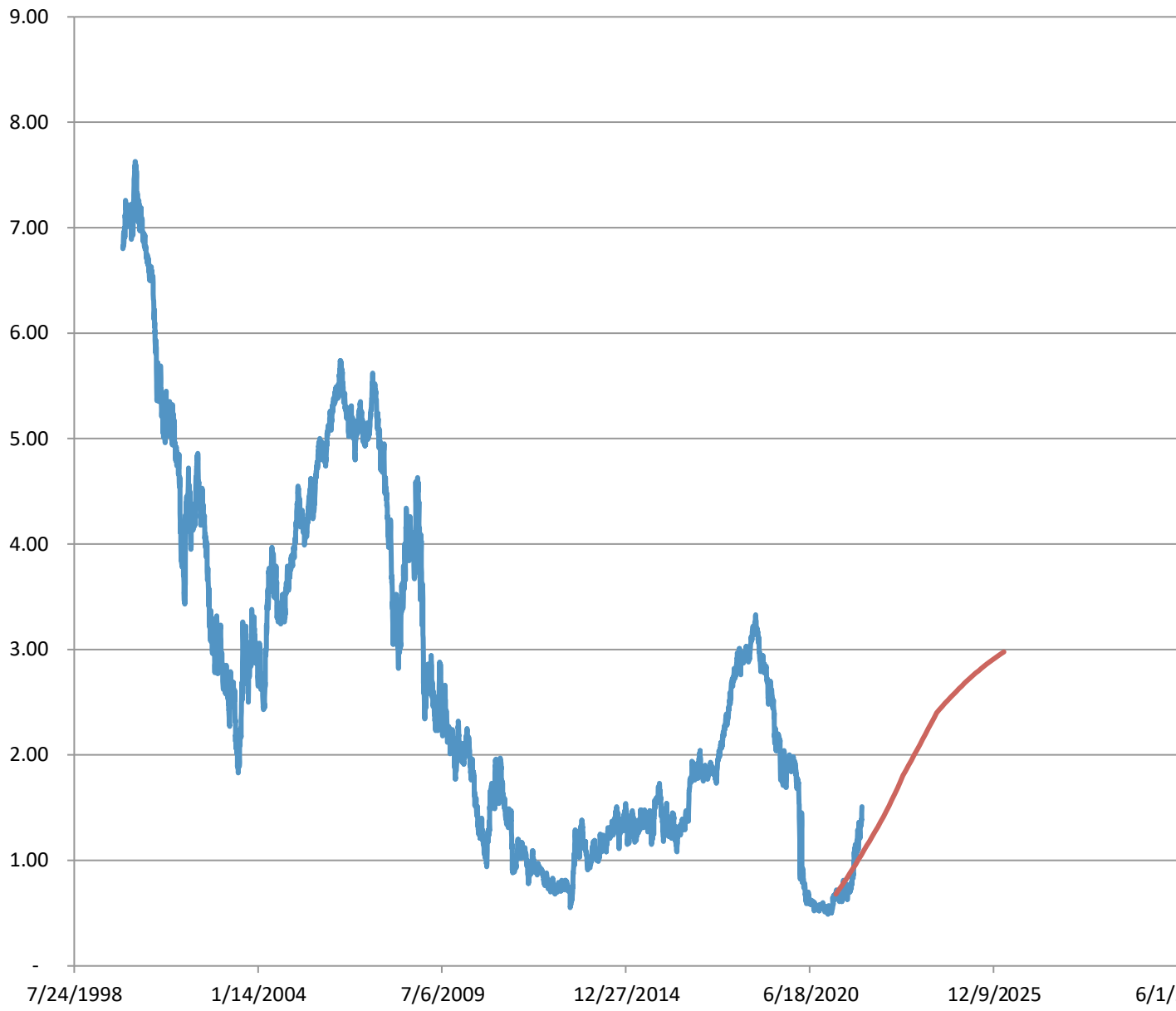
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
1/5/2021

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance

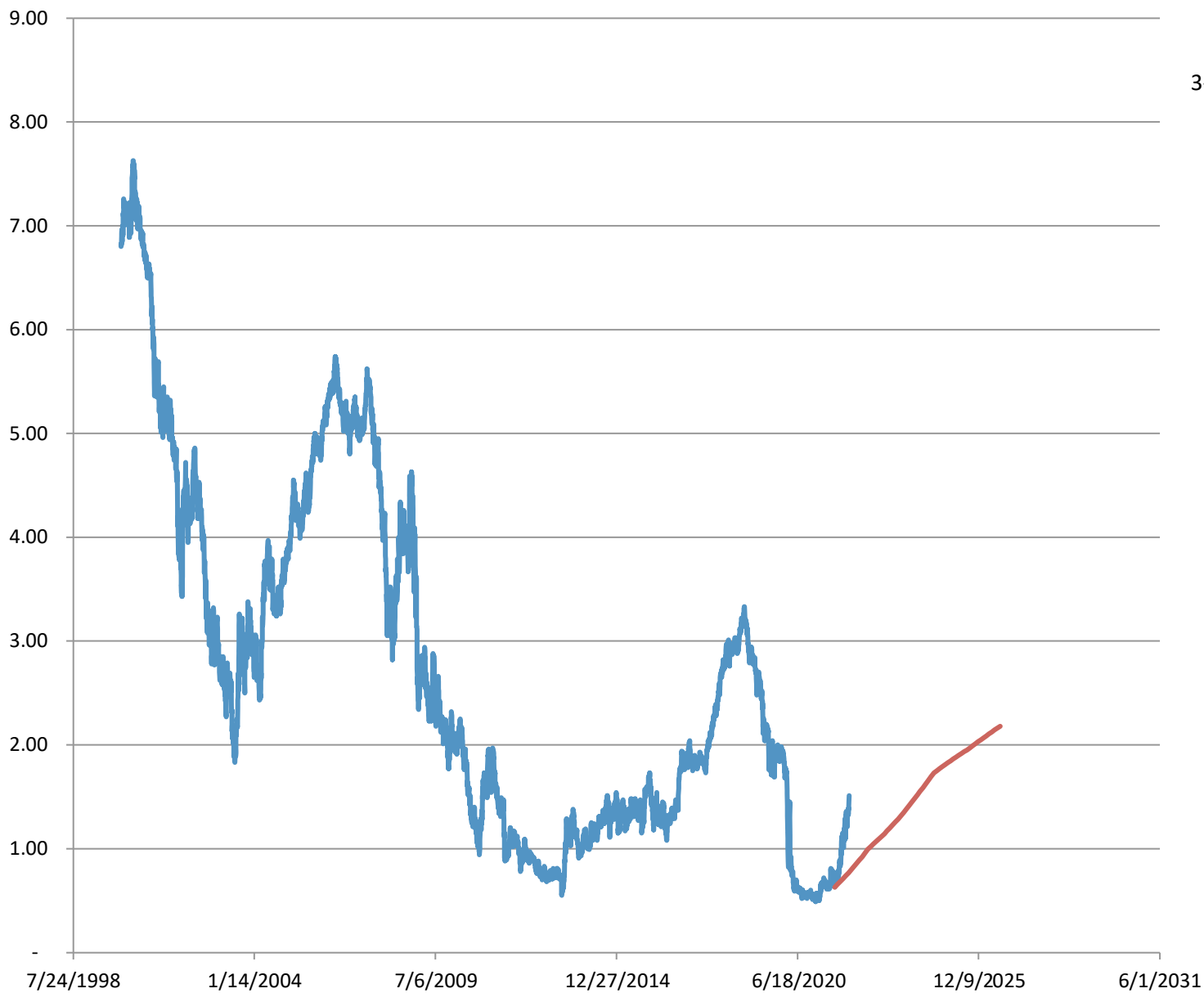


— 3 Year Historical  
— Forward of 36 Mo  
3/30/2021

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance

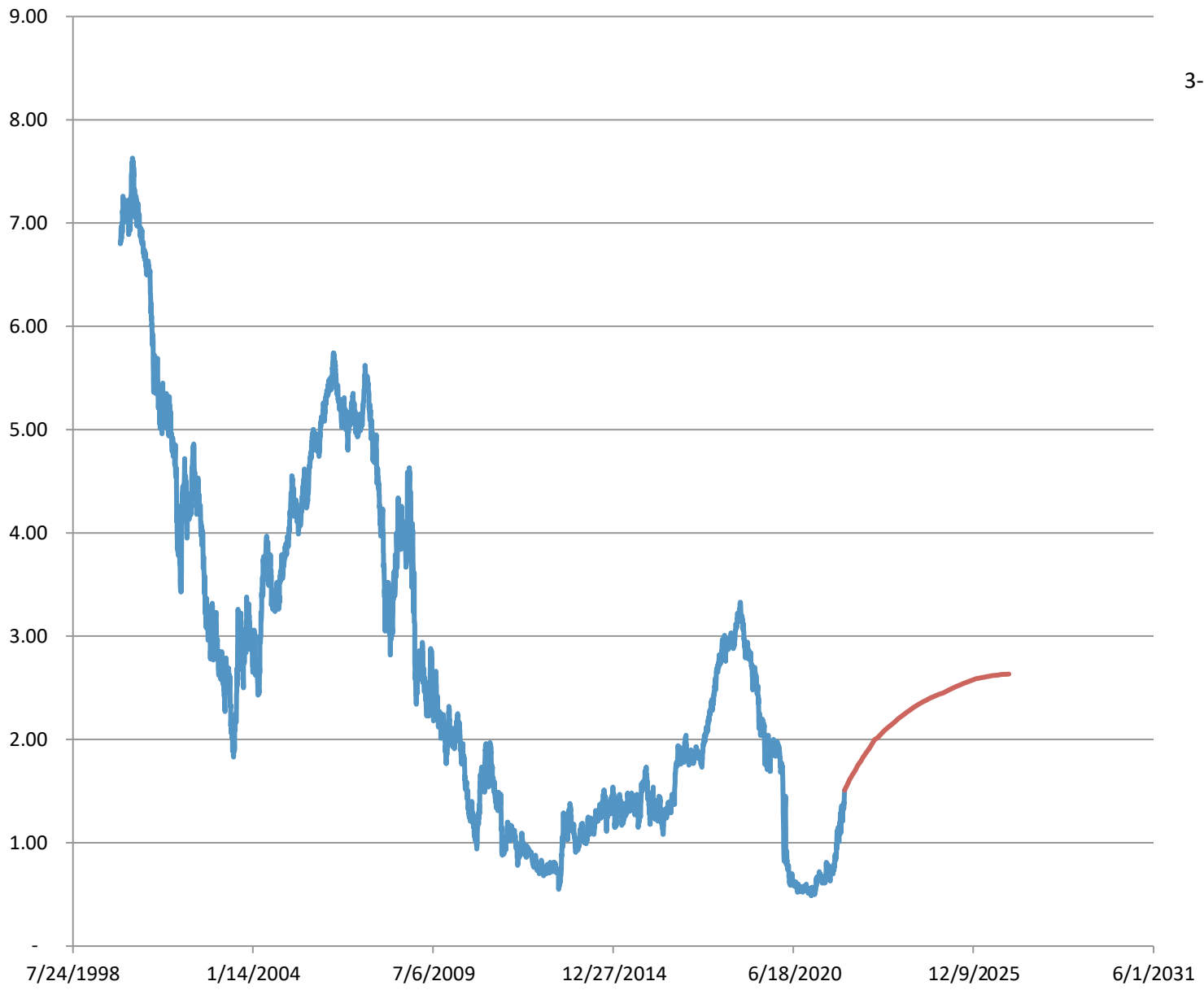
— 3 Year Historical  
— Forward of 36 Mo  
8/3/2021



# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance

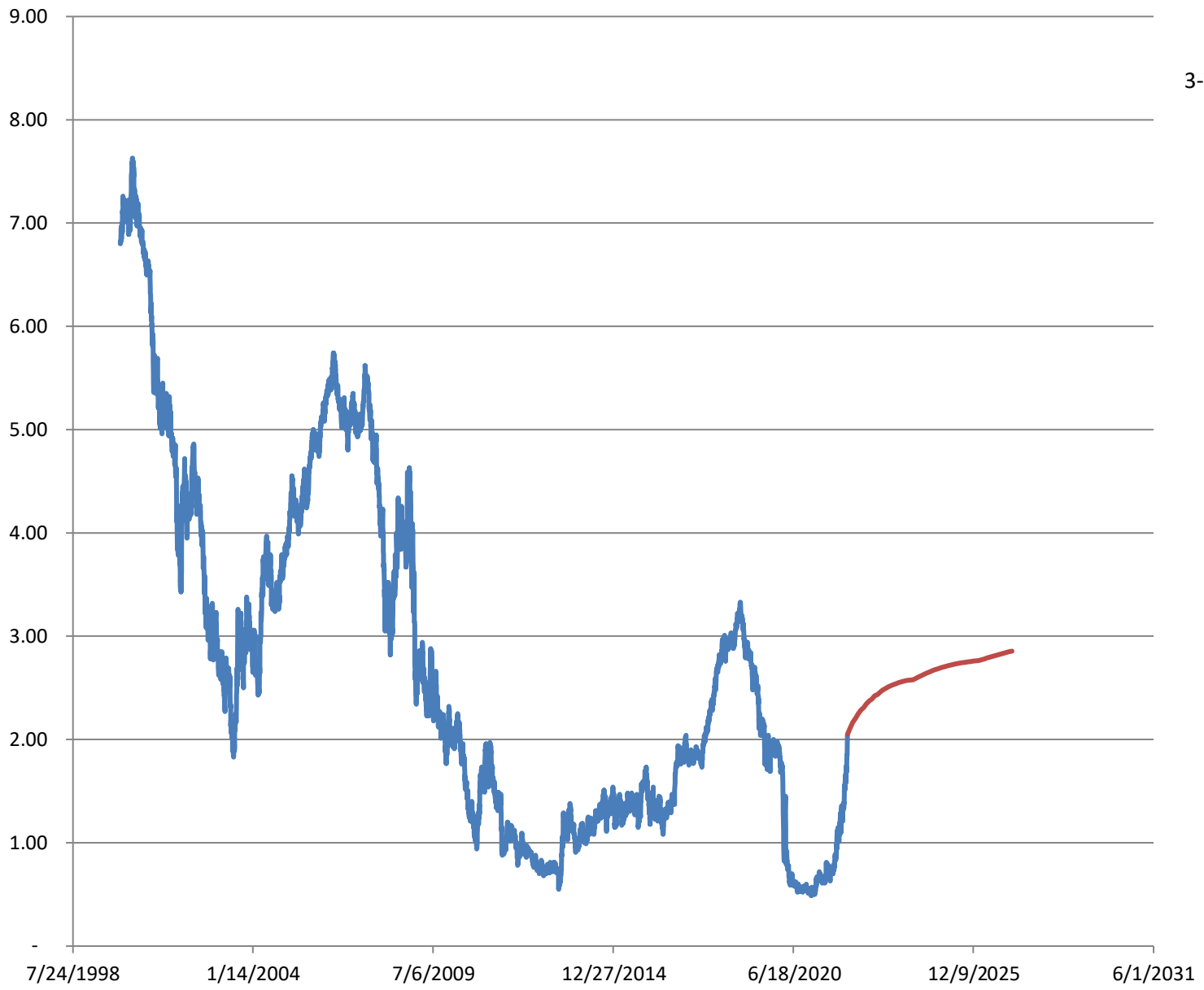
— 3 Year Historical  
— Forward of 36 Mo  
1/7/2022



# Combined Historical and Forward Implied Yield

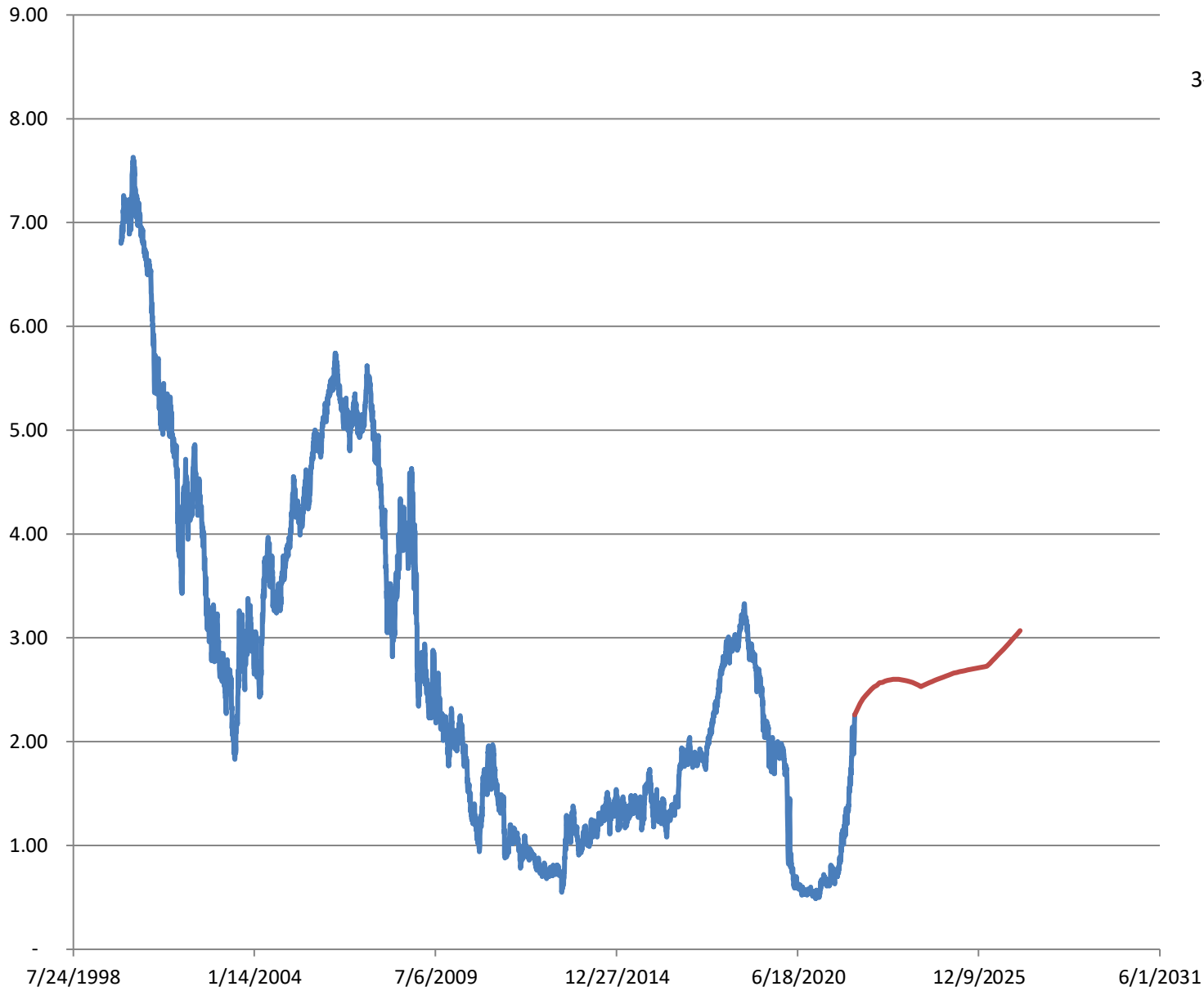
FHLB Des Moines  
3-Year Fixed Rate Advance

— 3 Year Historical  
— Forward of 36 Mo  
2/10/2022



# Combined Historical and Forward Implied Yield

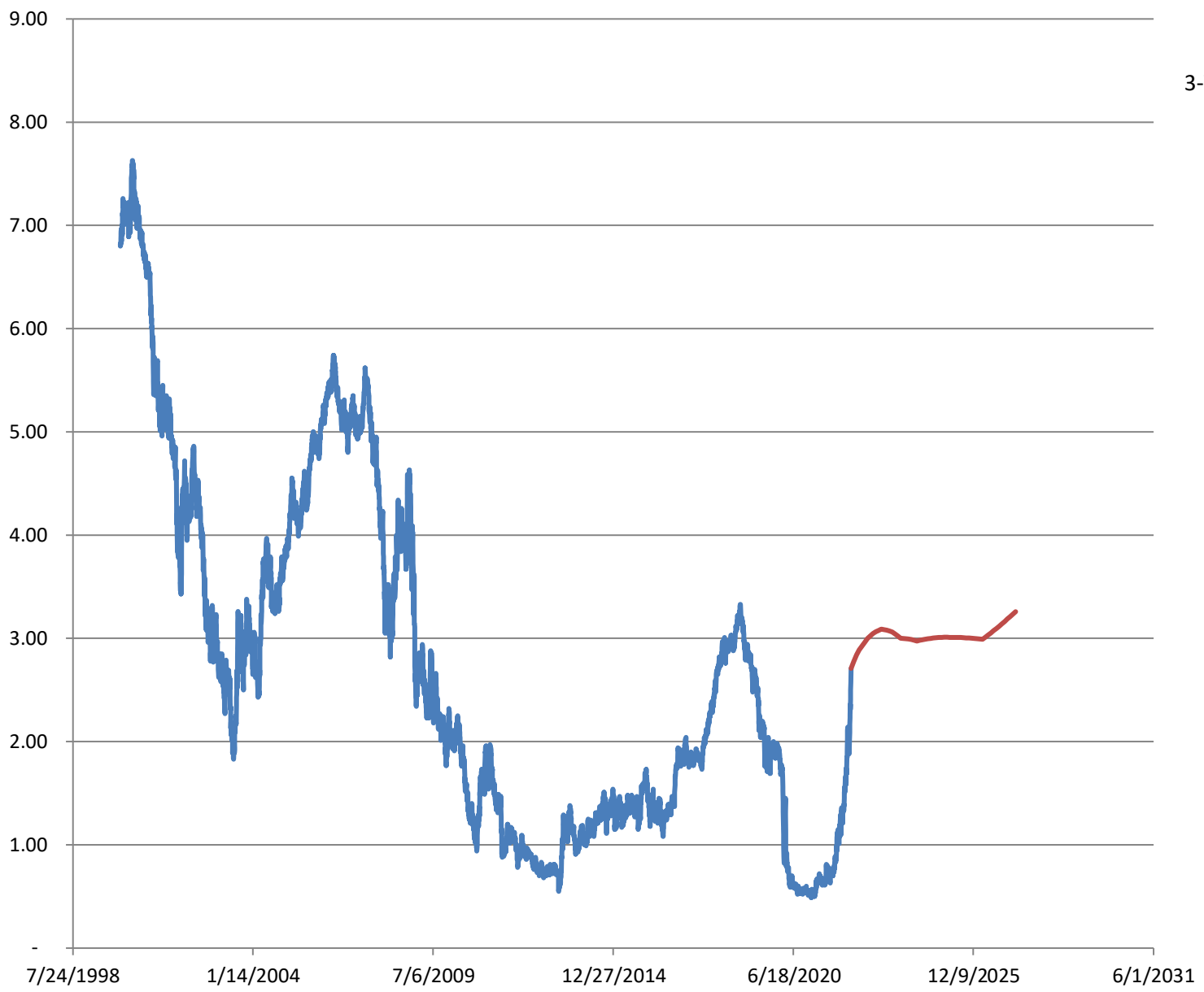
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
3/11/2022

# Combined Historical and Forward Implied Yield

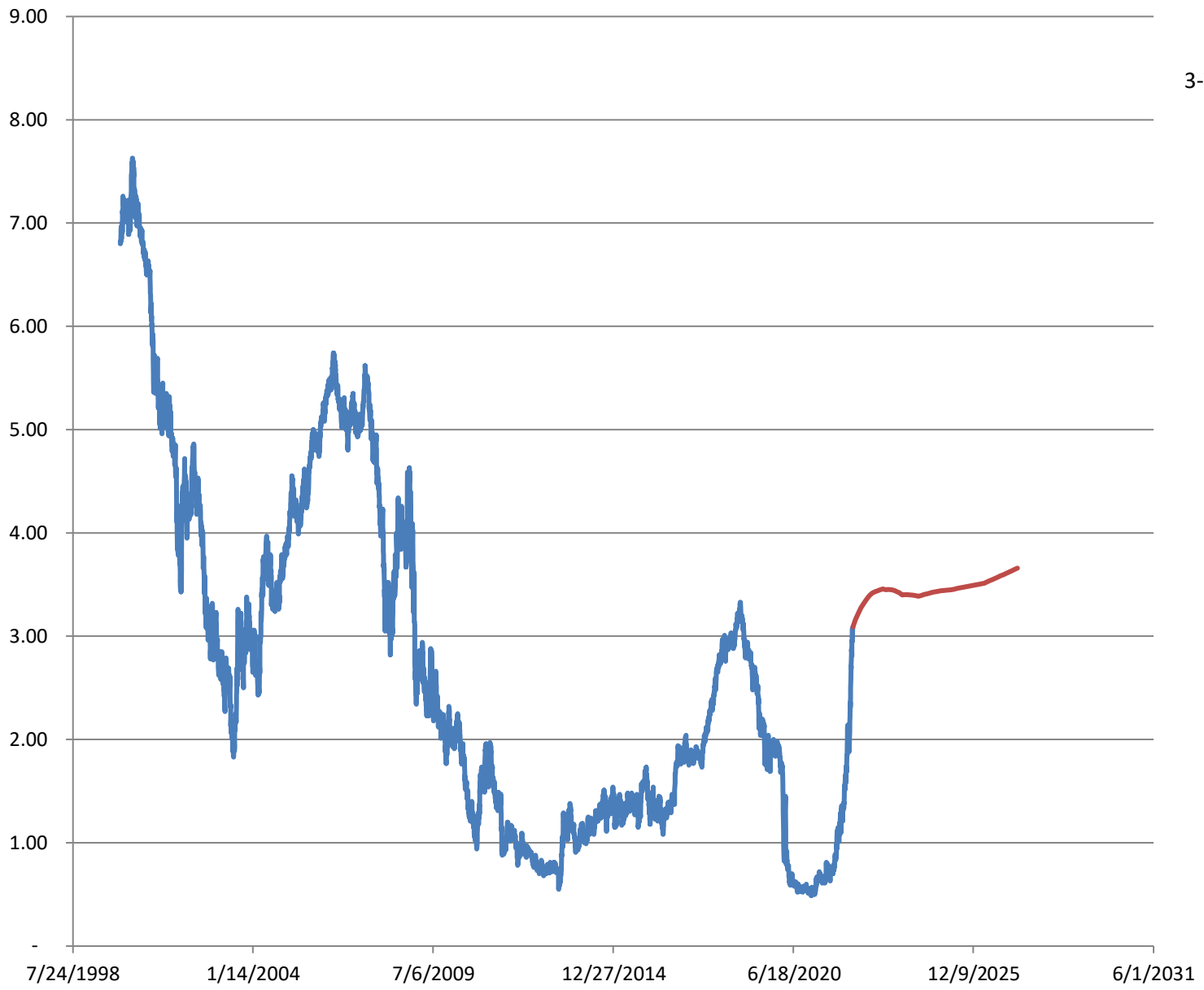
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
3/22/2022

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance

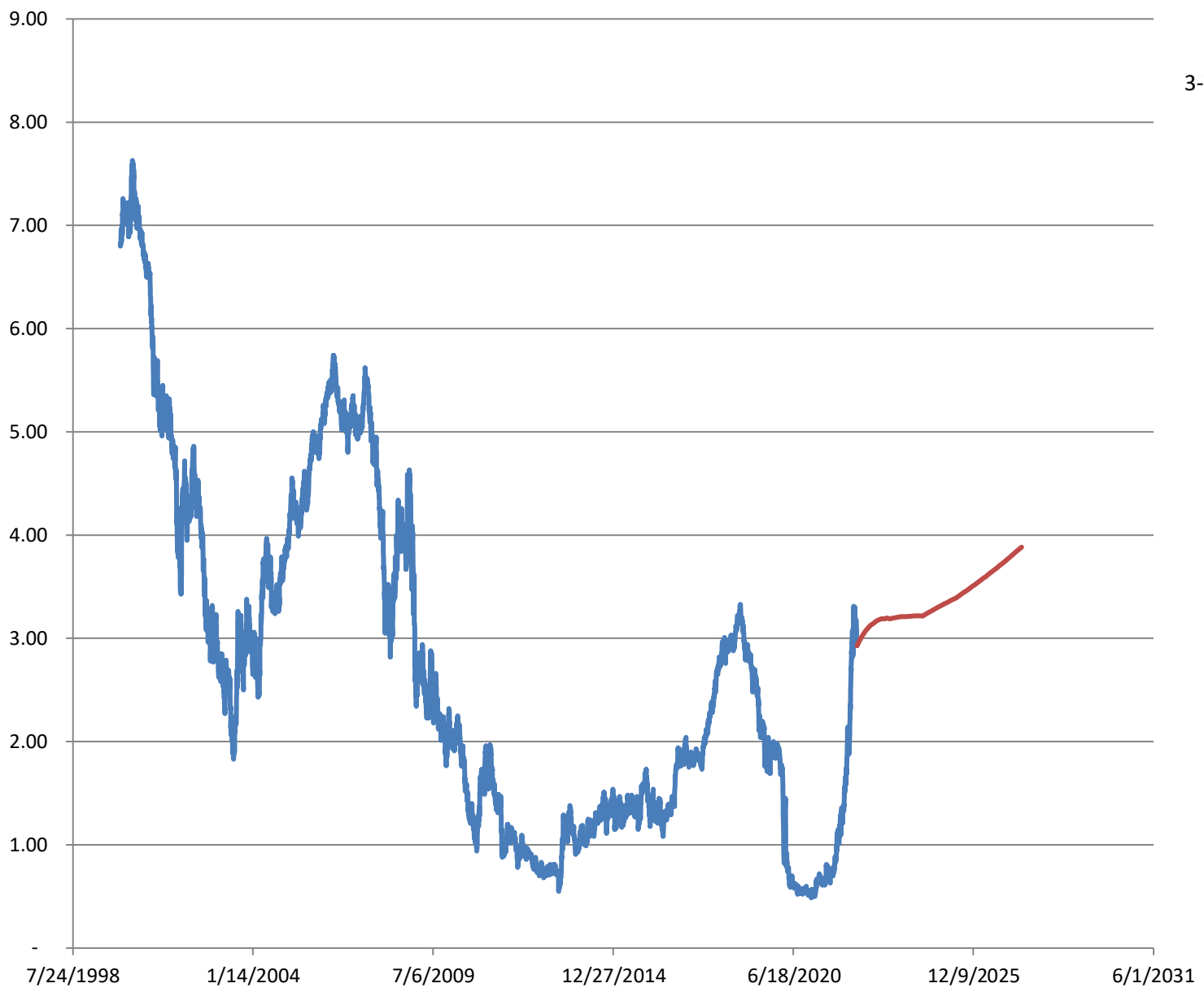


— 3 Year Historical  
— Forward of 36 Mo  
4/11/2022



# Combined Historical and Forward Implied Yield

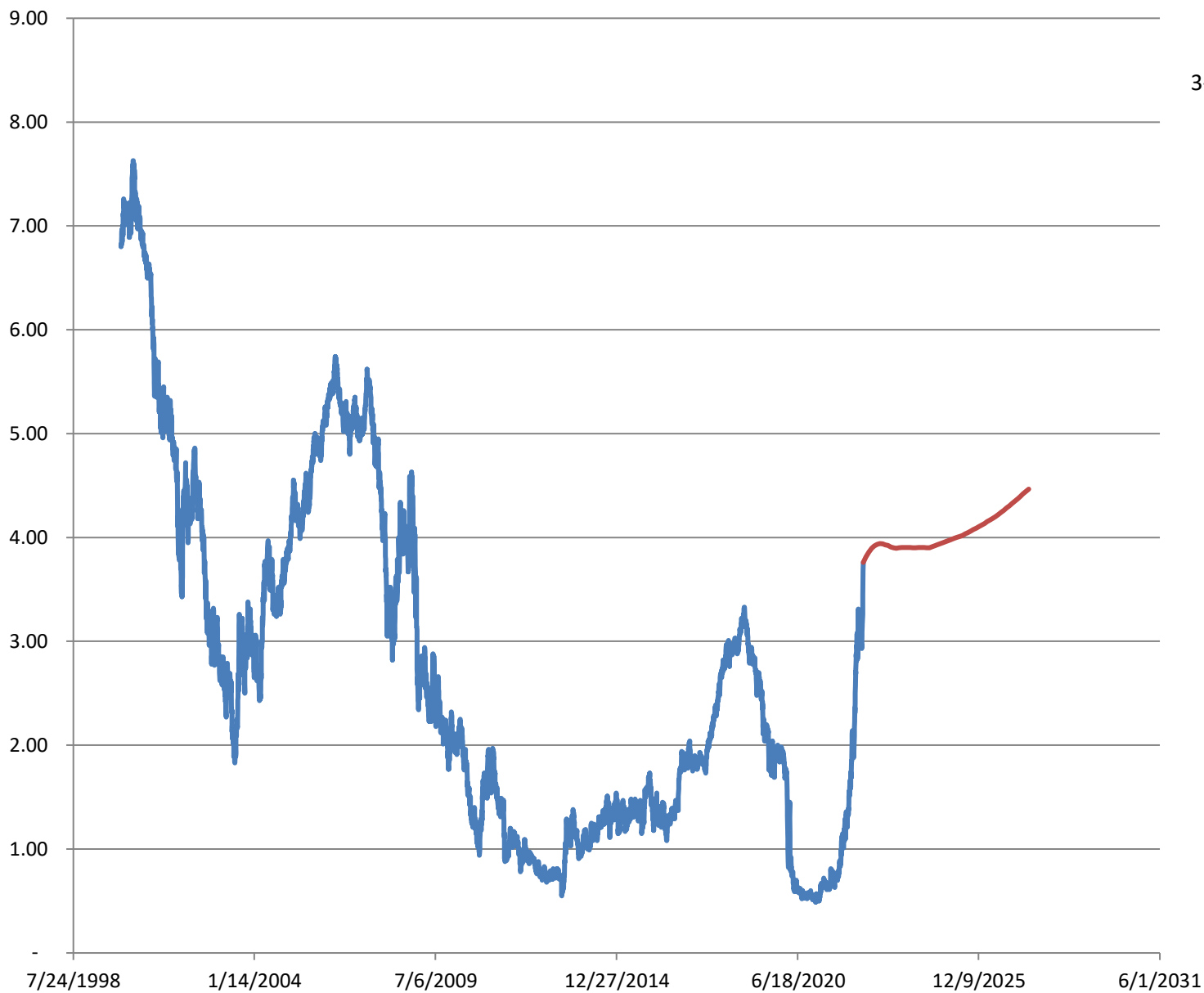
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
5/27/2022

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance

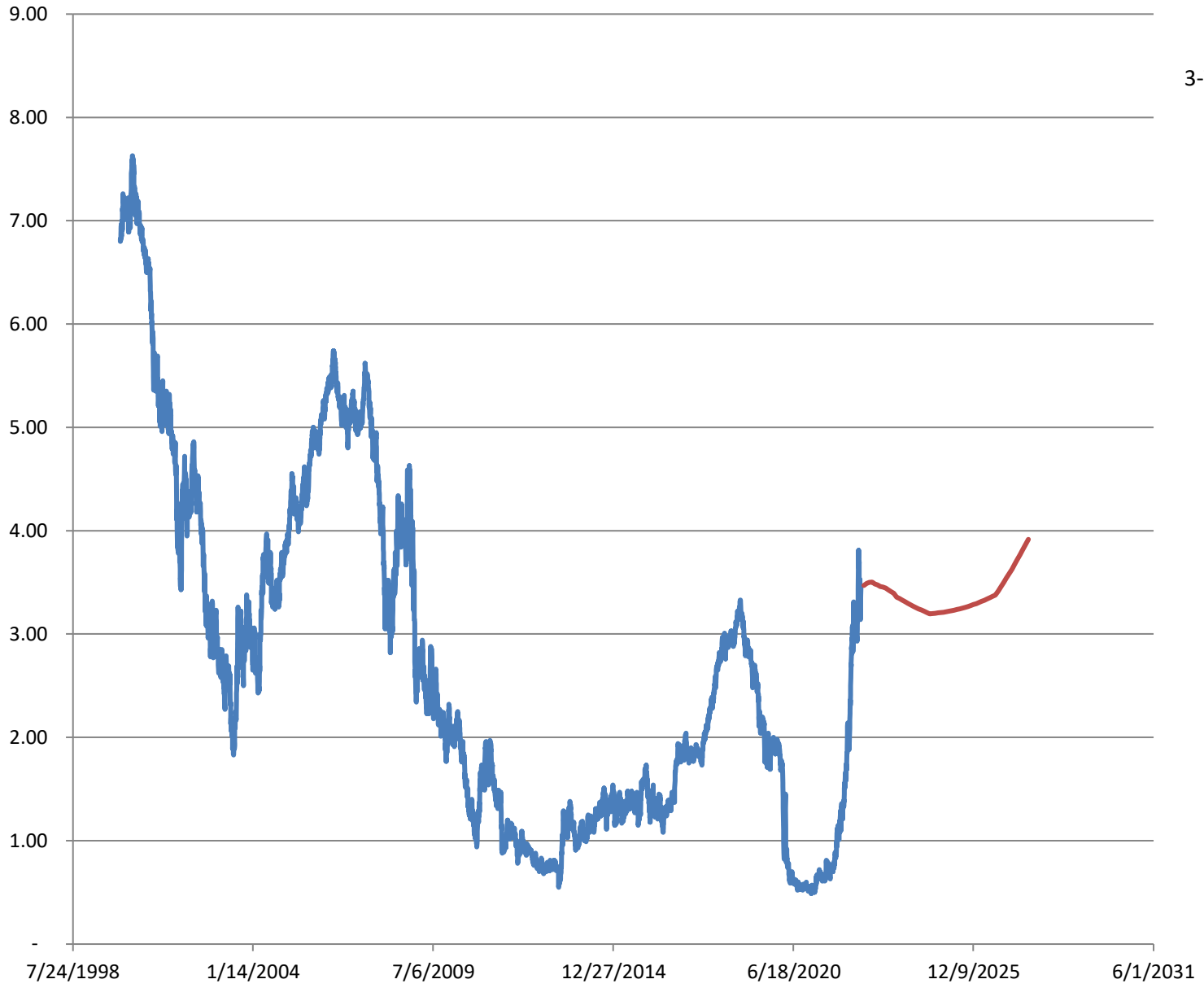


— 3 Year Historical  
— Forward of 36 Mo  
6/14/2022

# Combined Historical and Forward Implied Yield

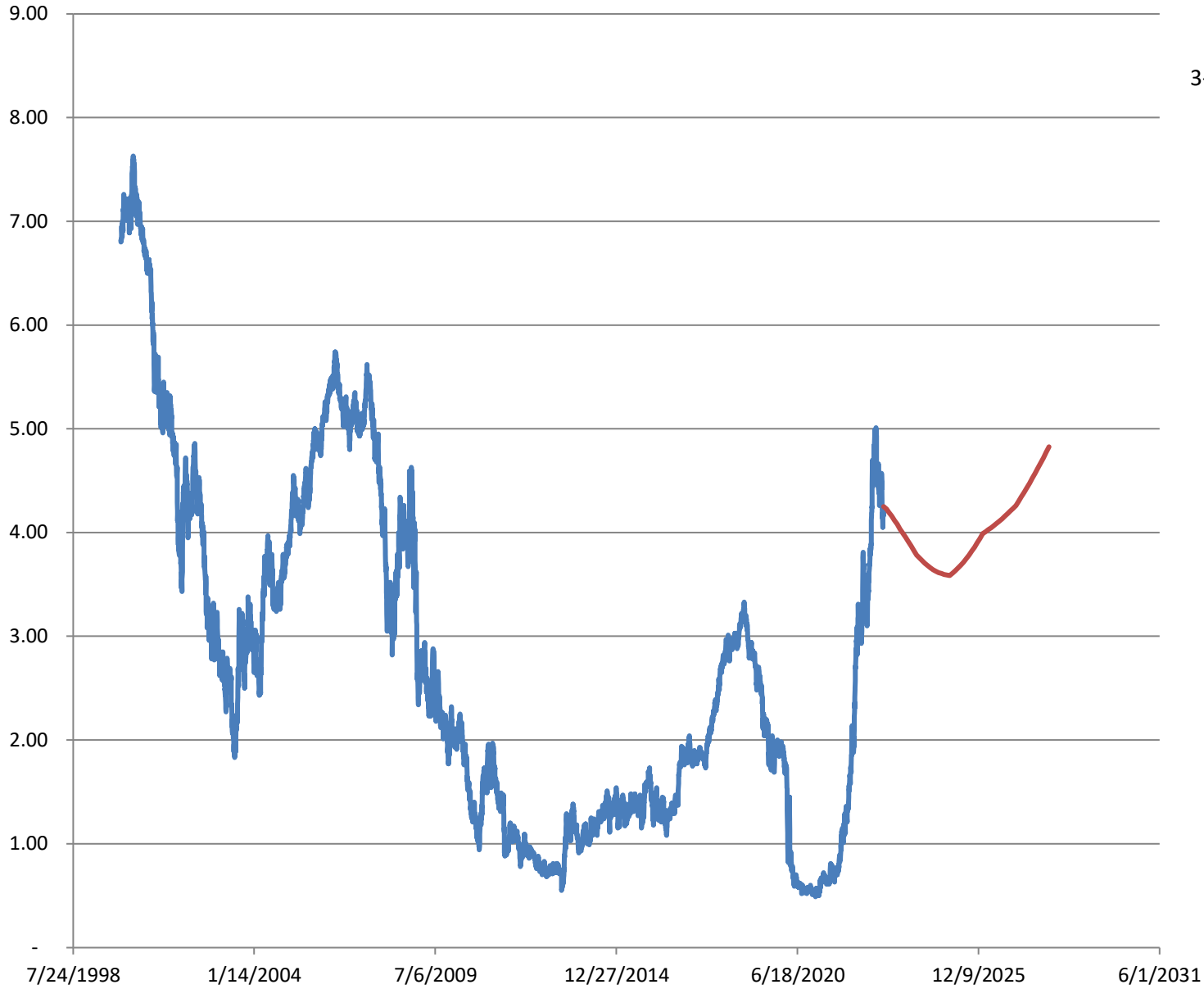
FHLB Des Moines  
3-Year Fixed Rate Advance

— 3 Year Historical  
— Forward of 36 Mo  
8/11/2022



# Combined Historical and Forward Implied Yield

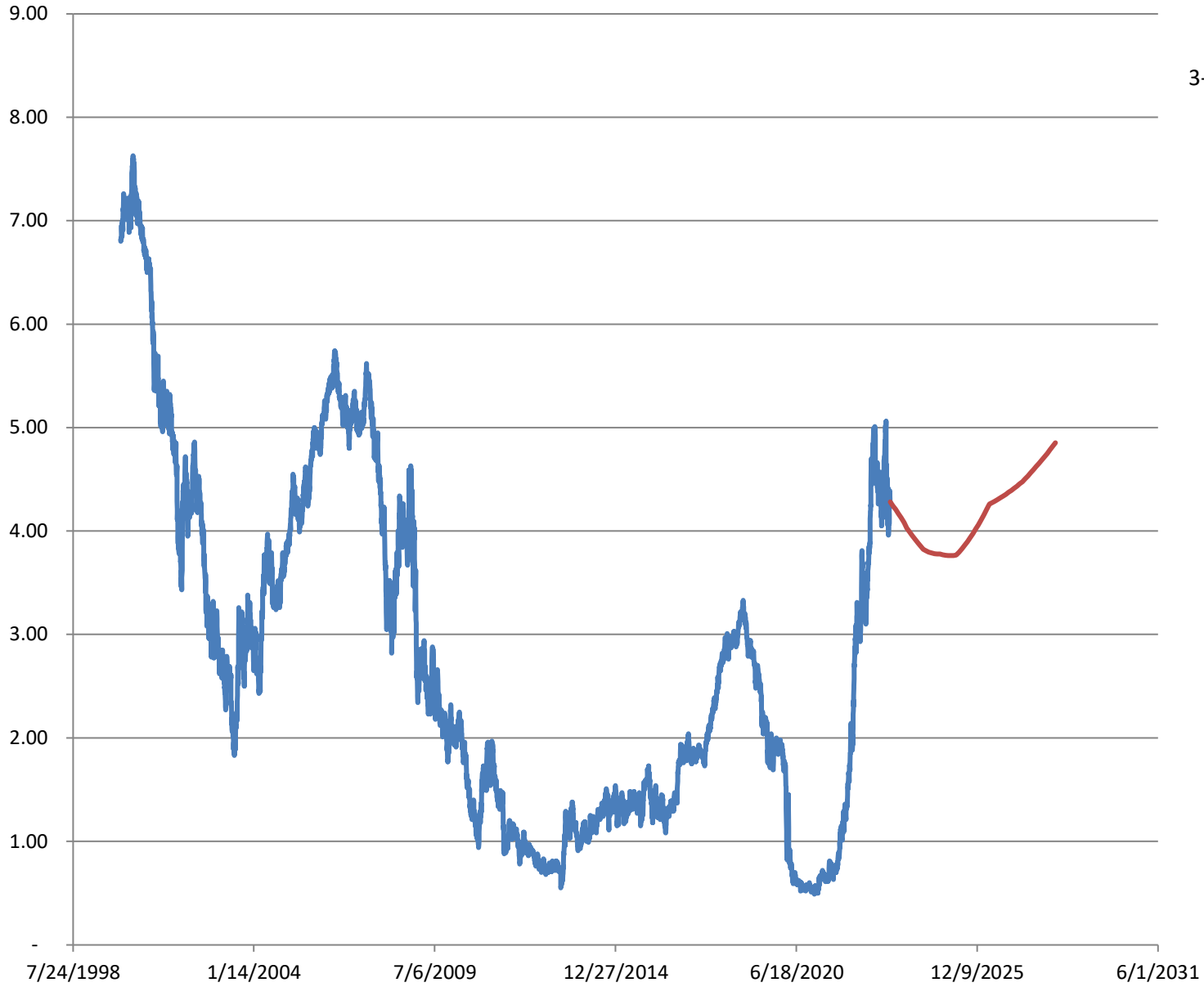
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
1/27/2023

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
4/24/2023

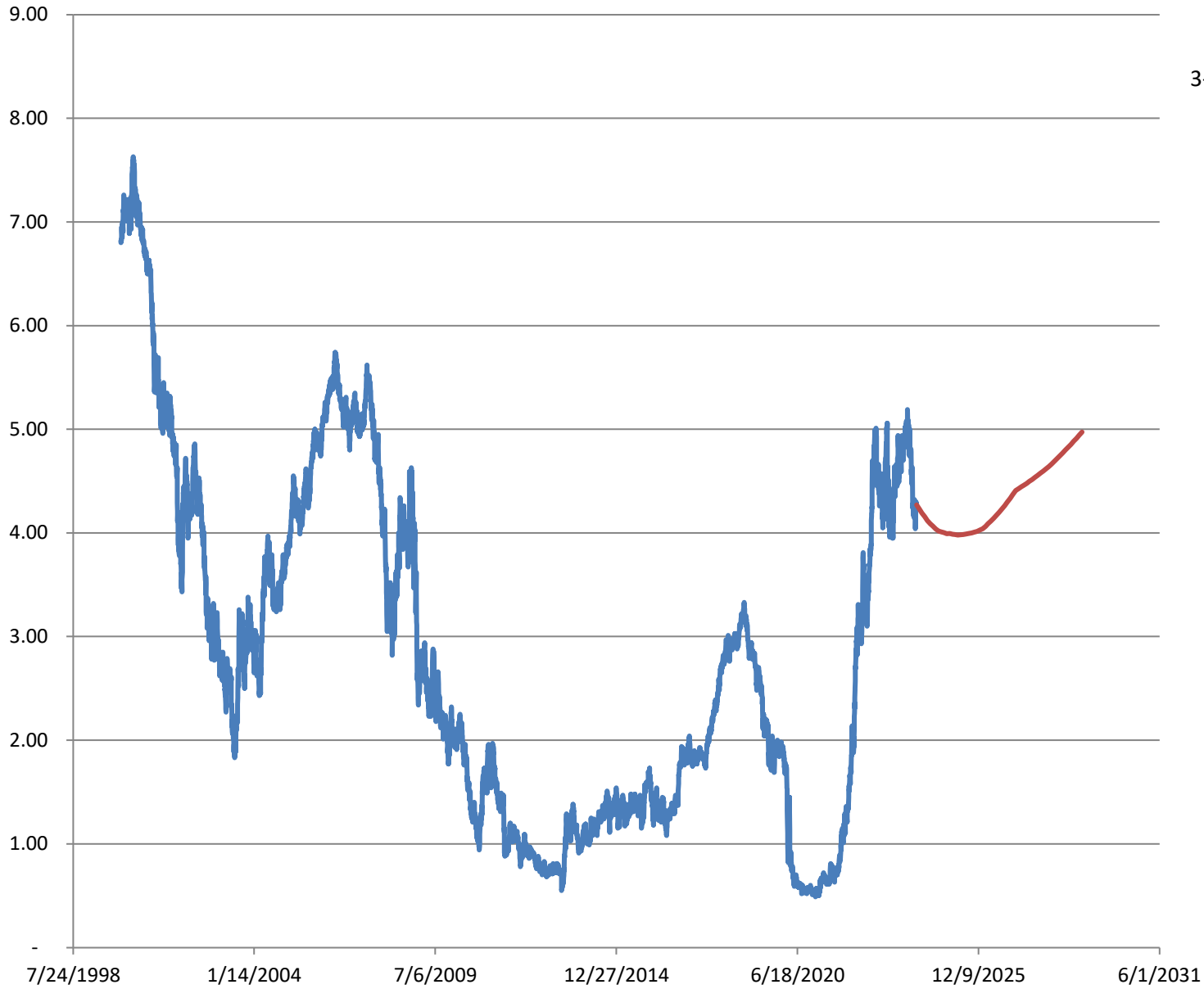
# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



# Combined Historical and Forward Implied Yield

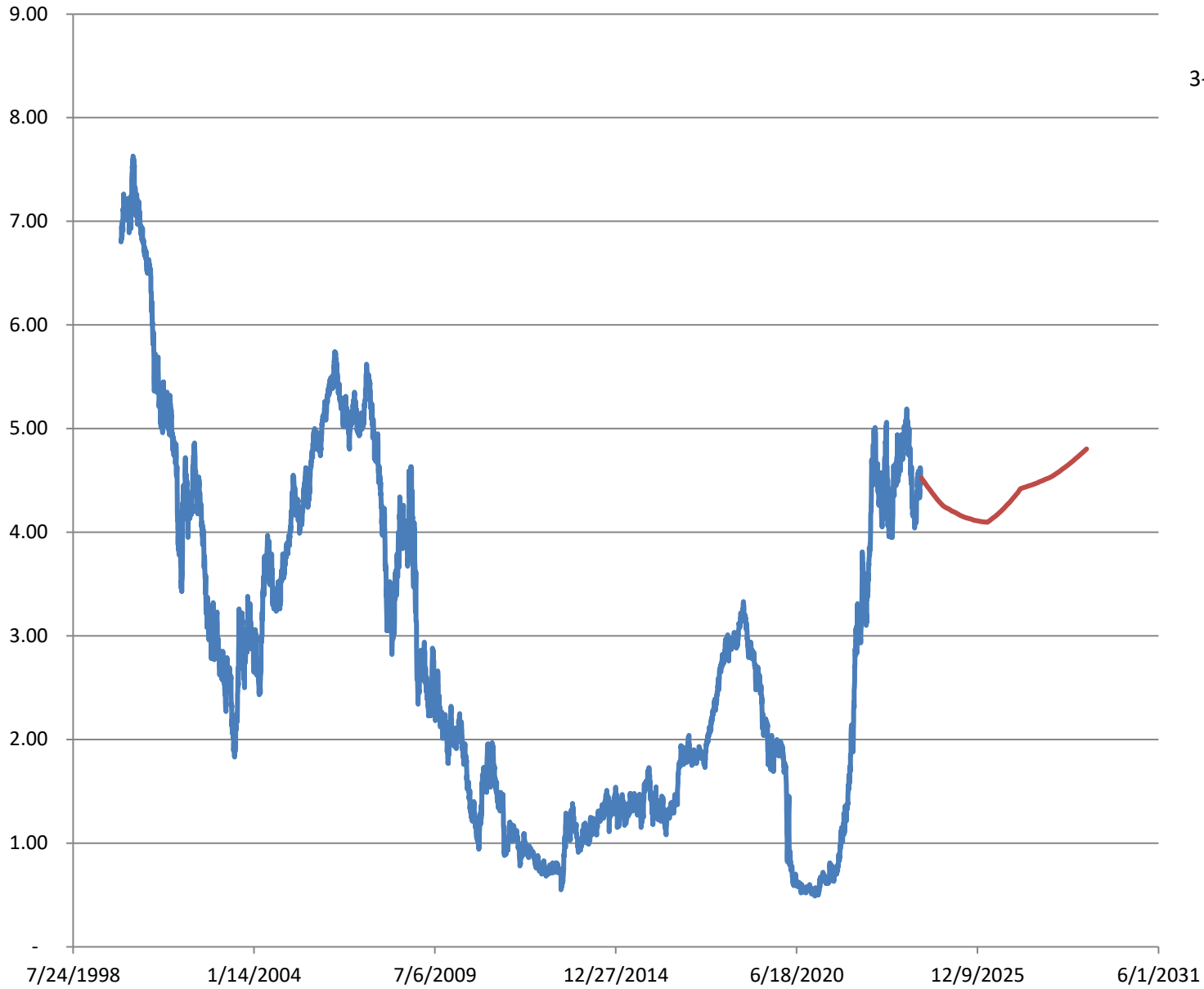
FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
1/26/2024

# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance

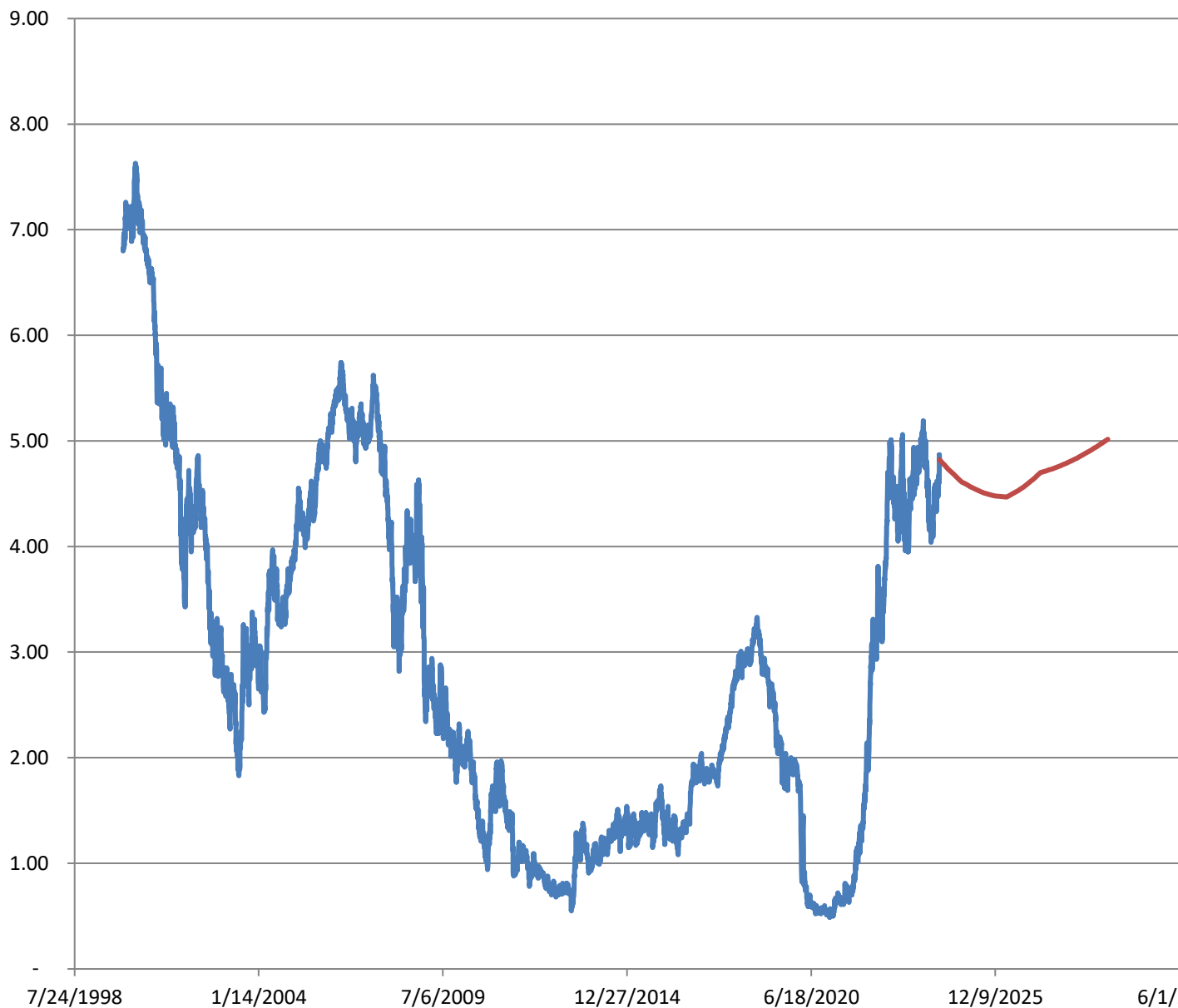


— 3 Year Historical  
— Forward of 36 Mo  
3/28/2024



# Combined Historical and Forward Implied Yield

FHLB Des Moines  
3-Year Fixed Rate Advance



— 3 Year Historical  
— Forward of 36 Mo  
4/12/2024