0001 1 2 3 NEW YORK CITY TEACHERS' RETIREMENT SYSTEM 4 BOARD MEETING 5 PUBLIC SESSION 6 7 Held on Monday, April 20, 2020 via Videoconference 8 9 ATTENDEES: 10 DEBRA PENNY, Chairperson, Trustee 11 DAVID KAZANSKY, Trustee 12 THOMAS BROWN, Trustee 13 JOHN ADLER, Trustee 14 SUSANNAH VICKERS, Trustee 15 NATALIE GREEN-GILES, Trustee RUSSELL BUCKLEY, Trustee 16 17 JOHN DORSA, Comptroller's Office 18 CYNTHIA COLLINS, Mayor's Office 19 VALERIE BUDZIK, Teachers' Retirement System 20 PATRICIA REILLY, Teachers' Retirement System 21 REPORTED BY: 22 23 YAFFA KAPLAN 24 JOB NO. 4469118 25 0002 1 2 ATTENDEES (Continued): 3 THAD McTIGUE, Teachers' Retirement System 4 ANNETTE HANHARAN, Teachers' Retirement System 5 LIZ SANCHEZ, Teachers' Retirement System ISAAC GLOVINSKY, Teachers' Retirement System 6 7 PAUL RAUCCI, Teachers' Retirement System 8 KAVITA KANWAR, Teachers' Retirement System 9 CARMELA CRIVELLI, Teachers' Retirement System ANDREW BRADFORD, Teachers' Retirement System 10 11 NATARAJAN KRISHNAMOORTHY, Teachers' Retirement 12 System 13 ANTHONY MEZZACAPPA, Teachers' Retirement System 14 RENEE PEARCE, Teachers' Retirement System 15 MARTA ROSS, ESQ. Law Department 16 ALAN KLEINMAN, ESQ. Law Department 17 SHERRY CHAN, Office of the Actuary 18 19 20 21 22 23 24 25 0003 1 Proceedings

2 MS. REILLY: Good afternoon, and welcome to the April 20, 2020 Teachers' Retirement 3 4 System board meeting. I am going to start by 5 calling the roll. 6 So I have John Adler? 7 MR. ADLER: Yes. I am here. 8 MS. REILLY: Thomas Brown? 9 MR. BROWN: I am here. MS. REILLY: Natalie Green-Giles? 10 11 MS. GREEN-GILES: Yes, here. 12 MS. REILLY: David Kazansky? 13 MR. KAZANSKY: Present. 14 MS. REILLY: Russell Buckley? 15 MR. BUCKLEY: For Lindsey Oates, DOE 16 CFO, present. 17 MS. REILLY: Debra Penny? MS. PENNY: Here. 18 MS. REILLY: Susannah Vickers? 19 20 MS. VICKERS: Here. 21 MS. REILLY: All right. We have a 22 quorum. 23 Next on the agenda is an update for TRS 24 operations, and Kavita Kanwar is going to give 25 us the update. 0004 1 Proceedings 2 MS. KANWAR: Good afternoon, everyone. 3 Can you hear me? Since March 16th, TRS has 4 been operating remotely, and we have made the 5 following operations changes to provide the 6 best possible level of member service with 7 little to no staff present onsite. We have 8 informed our membership through e-mail blasts 9 and social media, and we have set up a COVID-19 information page on our website where 10 11 we post operational updates and news. 12 All incoming mail handling is now being 13 scanned by an external vendor. All outgoing 14 correspondence to members has been directed to 15 an external vendor for printing and mailing. 16 In addition, as of April 1st, all outgoing 17 correspondence has been made available to 18 members for secure viewing on the website. 19 Members are being directed to use the 20 website for any services that are available as 21 online features. And we have introduced an 22 e-fax capability to allow members to file 23 forms without mailing. Retirement 24 applications have been converted to fillable 25 forms as of April 1st, which allows members to 0005 1 Proceedings 2 file for retirement through the secure section 3 of the website.

4 The spring schedule for the educational 5 programs is being offered online instead of 6 onsite. Members are being encouraged to 7 enroll in electronic funds transfer in order 8 to receive any kind of reimbursement. Members 9 who are currently receiving their pension or 10 one-time payments via check have been 11 requested to switch to EFT. Check payroll 12 runs on our process once a month while EFT 13 payments will continue on a weekly schedule, 14 and finally, we are currently working on 15 implementing the provisions of the CARES Act, 16 which will provide new loan and withdrawal 17 options to members as well as suspension of 18 the required distributions for the 2020. 19 On March 21, 2020, TRS implemented new 20 system functionality to calculate all new 21 retirement allowances using the updated life 22 expectancy factors for benefit payment options 23 and all reductions. The new factors were 24 provided by the Office of Actuary and adopted 25 by the Board effective April 1, 2019. As a 0006 1 Proceedings result of the new factors, TRS also revised 2 3 their retirement benefits of 957 members who 4 retired since last April. These members' 5 benefits will increase by an average of 1,261 6 dollars annually, and the increase will be 7 implemented on the April 2020 payroll. Thank 8 you. 9 MS. REILLY: Thank you, Kavita. Next we 10 have a report from the actuary. Sherry? 11 MS. CHAN: Thank you, Patricia. First 12 thing on my agenda is the final Fiscal Year 13 '20 employer contributions. It was calculated 14 to be 3.59 billion dollars. This is a 15 decrease of approximately 139 million from the 16 preliminary Fiscal Year '20 contributions. 17 The change was due to the change in the 18 actuarial valuation of assets methodology that 19 I had discussed with the Board in the previous 20 months. 21 MS. REILLY: Thank you. 22 MS. CHAN: I don't know if there are any 23 questions. If not, I can move on to the 24 fiscal note report. 25 MR. ADLER: I just have a question. 0007 1 Proceedings 2 This is John. So Sherry, I believe that --3 but I just want to confirm that the final 4 Fiscal '20 contribution does not include any 5 changes as a result of the OWBPA change that I

think was incorporated into the preliminary 6 7 Fiscal '21. Am I correct in that? 8 MS. CHAN: Yes. 9 MR. ADLER: So that's not included in 10 Fiscal '20. Thank you. 11 MS. CHAN: So for the fiscal note 12 report, there are three fiscal notes issued in 13 the last month between the last board meeting 14 and this board meeting that pertain to the 15 Teachers' Retirement System. One of them had 16 to do with allowing New York City Retirement 17 System retirees come back to work to help with 18 the public health crisis, and they would be 19 subject to -- you know, barring not passing 20 this legislation, they would be subject to the 21 212 limit. 22 So the bill that this fiscal note was 23 pricing out was if they returned back to work 24 and the cap was lifted so that their pension 25 was not suspended if they made over the cap. 0008 1 Proceedings 2 We determined this to be a de minimis cost 3 because to the extent that they would not have come back to work, and we would still be 4 5 paying out their pension benefits anyway. So 6 it's a zero cost for that fiscal note. 7 The second one was to increase the 8 foreign investment cap from 10 percent to 30 9 percent in the basket clause, and that also 10 was a de minimis fiscal note, de minimis cost fiscal note just because we don't expect there 11 12 to be a large increase in employer 13 contributions with this change. 14 The third fiscal note had to do with if 15 the retirement systems were to post the 16 minutes, the board meeting minutes onto the 17 website, theoretically this would affect 18 employer contributions because employer 19 contributions has an administrative expense 20 component to it, so if -- you know, to the extent that this would increase the 21 22 administrative expense, it would affect the 23 employer contribution, but because, you know, 24 the board meeting minutes aren't that 25 labor-intensive to upload onto the website, 0009 1 Proceedings 2 this was also calculated to be a de minimis 3 cost. 4 So that completes the report. Again, I 5 will be happy to answer any questions if there 6 are any. Is Patricia trying to speak? MS. REILLY: Sherry? Can you hear me, 7

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     Sherry?
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           MS. CHAN: Now I can hear you.
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           MS. REILLY: So next is the executive
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     director's report, and the first item on the
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     executive director's report is the next
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    meeting. It has been suggested that the next
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     regular meeting of the Teachers' Retirement
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     Board be held on the third Thursday of the
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     month, May 21, 2020. Liz, don't show the
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     document. So just mark your calendars for May
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     21, 2020.
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           The next item is a resolution to adopt
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     the Actuary's Determination for the final
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     Fiscal Year 2020 Employer Contribution to the
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    New York City Retirement System.
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           MR. KAZANSKY: Please skip to the
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     resolved.
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           MS. REILLY: "Resolved, that the
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     Employer Contribution to the Teachers'
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 3
    Retirement System of the City of New York for
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    Fiscal Year 2020 in the amount of
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    3,590,801,261 dollars is hereby approved by
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    the Board of Trustees".
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           MS. PENNY: Okay. So do we have a
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    motion to approve it?
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           MR. BROWN: So moved.
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           MR. ADLER: Second.
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           MS. PENNY: Any discussion? All those
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     in favor, please say aye. Aye.
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           MS. VICKERS: Aye.
           MS. GREEN-GILES: Aye.
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           MR. BUCKLEY: Aye.
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           MR. ADLER: Aye.
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           MR. BROWN: Aye.
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           MR. KAZANSKY: Aye.
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           MS. PENNY: Any opposed? Okay. Motion
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     carries.
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           MS. REILLY: So next on the agenda is
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     the resolution for the Securities Litigation
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     Protocol, and the following resolution is
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     submitted for consideration and adoption by
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     the Board of Trustees of the Teachers'
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    Retirement System.
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           MR. KAZANSKY: Please skip to the
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     resolved on that as well.
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           MS. REILLY: "Resolved, that the Board
 6
    directs the Law Department to provide updates
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    on its continuing review of the Securities
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     Litigation Protocol and any proposed changes
     for consideration by the Board".
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10 MS. PENNY: Do I hear a motion? 11 MS. BUDZIK: This is Valerie. I don't 12 have the EDR. There should have been an additional resolved there. "Where the 13 14 Board" --15 MS. REILLY: Oh, I'm sorry. MS. BUDZIK: -- "adopts the update". 16 17 MS. REILLY: So the next resolved that 18 the Board directs the Law Department -- no, 19 wait a minute. 20 "Resolved, that the Board of Trustees 21 hereby adopts the attached Securities 22 Litigation Protocol, which replaces the 23 current protocol Appendix 9 of the Board's 24 Investment Policy Statement; and be it further 25 resolved, that the Board directs the Law 0012 1 Proceedings 2 Department to provide updates on its 3 continuing review of the Securities Litigation Protocol and any proposed changes for 4 5 consideration by the Board." MS. PENNY: Okay. Thank you. Now is 6 7 there a motion? 8 MR. KAZANSKY: David Kazansky. So 9 moved. 10 MS. PENNY: Okay, thank you. Is there a 11 second? MR. BROWN: Tom Brown seconded. 12 13 MS. PENNY: Is there any discussion? 14 Susannah, did you second or did you want to 15 say something? 16 MS. VICKERS: No, I'm sorry. I tried to 17 second it. 18 MS. PENNY: Is there any discussion? 19 MS. GREEN-GILES: I just have one 20 question. It's Natalie. I read it. It says on the 15th of every month. This is a 21 22 question for Valerie I guess. 15th of every 23 month is an update; is that correct? 24 MS. BUDZIK: Yes. By the 15th of every 25 month I think is how it reads, and we do get 0013 1 Proceedings 2 an update from the law department by the 15th 3 of each month, which is then distributed to 4 the Board. 5 MS. GREEN-GILES: Is there any annual 6 review? I know these are lengthy cases, so is 7 there any sort of an annual lookback to say 8 what have we brought in or where we are on 9 things? 10 MS. BUDZIK: There is not. Attending 11 the meeting is Alan Kleinman who is in the

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affirmative litigation at the law department.
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     So I don't know if, Alan, you wanted to say
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     anything about that.
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          MR. KLEINMAN: Hi. Can people hear me?
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          MS. PENNY: Yes.
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          MS. REILLY: Yes.
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          MR. KLEINMAN: So what we do is we
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    prepare the monthly report, and each month
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    what's new is highlighted so you don't have to
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     go through everything else. So by getting
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    that, you can see what is happening on a
23
    month-by-month basis as to what's going on in
24
    the world of securities litigation.
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          MS. GREEN-GILES: Okay. Thank you.
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          MS. PENNY: Okay. Any other discussion?
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     All those in favor? Aye.
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          MS. VICKERS: Aye.
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          MS. GREEN-GILES: Aye.
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          MR. BUCKLEY: Aye.
          MR. ADLER: Aye.
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          MR. BROWN: Aye.
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          MR. KAZANSKY: Aye.
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          MS. PENNY: Any opposed? All right.
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    Motion carries.
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          MS. REILLY: Okay. Next on the agenda
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     is the calendar, and the first item on the
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     calendar is an approval of the minutes.
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    Approval of the February 6th investment
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    meeting minutes which were laid over at the
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    March board meeting.
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          MR. BROWN: Can we lay them over again?
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          MS. PENNY: Do we have agreement,
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     Patricia? They are still inaccurate; we want
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     to lay them over again; is that correct?
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          MR. BROWN: Yes, Tom Brown. Can we lay
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     the February 6th minutes of the investment
24
     meeting? Lay them over?
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          MS. PENNY: Okay. Are we all in
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     agreement that we will lay those over?
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          MR. BUCKLEY: Sounds good to me.
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          MS. PENNY: So we are in agreement.
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     we will lay over February 6th.
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          MS. REILLY: Next is the approval of the
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    minutes from the February 26th CIM meeting
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    minutes, which were laid over in March, the
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    March 5th investment meeting with the one
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    small change of Russell's name from
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    Christopher to Russell, the March 18th
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    minutes, and the March 19th board meeting
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    minutes.
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14 MS. PENNY: Do I have a motion to 15 approve the February 26th through the March 16 19th? 17 MR. BROWN: Tom Brown, so moved. 18 MS. PENNY: Thank you, Tom. Is there a 19 second? 20 MS. VICKERS: Susannah Vickers, second. 21 MS. PENNY: Thank you, Susannah. Any 22 discussion about those meetings? 23 MR. KAZANSKY: Is there a resolution to 24 change Russell's name? 25 MS. PENNY: All those in favor, please 0016 1 Proceedings 2 say aye. Aye. 3 MS. VICKERS: Aye. 4 MS. GREEN-GILES: Aye. 5 MR. BUCKLEY: Aye. 6 MR. ADLER: Aye. 7 MR. BROWN: Aye. 8 MR. KAZANSKY: Aye. 9 MR. BUCKLEY: Christopher says aye. 10 MS. PENNY: Okay. Motion carries. We 11 have approved them. 12 MS. REILLY: So next is the calendar. 13 You all should have received an electronic version of the calendar. 14 15 MR. KAZANSKY: Please waive the reading 16 of the calendar. 17 MS. PENNY: Do we have a motion to 18 approve the calendar? 19 MR. KAZANSKY: David Kazanksy, so moved. 20 MS. PENNY: Thank you. Is there a 21 second? 22 MR. BROWN: Tom Brown, second. 23 MS. PENNY: Thank you, Mr. Brown. Any discussion? All those in favor? Aye. 24 25 MS. VICKERS: Aye. 0017 1 Proceedings 2 MS. GREEN-GILES: Aye. 3 MR. BUCKLEY: Aye. 4 MR. ADLER: Aye. 5 MR. BROWN: Aye. 6 MR. KAZANSKY: Aye. 7 MS. PENNY: Any opposed? Okay. We have 8 approved the calendar. 9 MS. REILLY: Next on the agenda is other 10 business, but having none, we look for 11 questions or comments from the public. 12 MS. PENNY: Okay. Seeing none, I guess 13 -- all right. Do we have a motion to go into executive session? 14 MR. BROWN: Tom Brown, so moved. 15

MS. PENNY: Thank you. Do we have a second? MS. VICKERS: Susannah Vickers, second. MS. PENNY: Great. All those in favor? Aye. MS. VICKERS: Aye. MS. GREEN-GILES: Aye. MR. BUCKLEY: Aye. MR. ADLER: Aye. MR. BROWN: Aye. Proceedings MR. KAZANSKY: Aye. (Time noted: 3:50 p.m.) CERTIFICATE STATE OF NEW YORK ) : ss. COUNTY OF QUEENS ) I, YAFFA KAPLAN, a Notary Public within and for the State of New York, do hereby certify that the foregoing record of proceedings is a full and correct transcript of the stenographic notes taken by me therein. IN WITNESS WHEREOF, I have hereunto set my hand this 29th day of April, 2020. 

18 YAFFA KAPLAN 

NEW YORK CITY TEACHERS' RETIREMENT SYSTEM BOARD MEETING PUBLIC SESSION - CLOSEOUT Held on Monday, April 20, 2020 via Videoconference ATTENDEES: DEBRA PENNY, Chairperson, Trustee DAVID KAZANSKY, Trustee THOMAS BROWN, Trustee JOHN ADLER, Trustee SUSANNAH VICKERS, Trustee RUSSELL BUCKLEY, Trustee JOHN DORSA, Comptroller's Office CYNTHIA COLLINS, Mayor's Office VALERIE BUDZIK, Teachers' Retirement System PATRICIA REILLY, Teachers' Retirement System 20 REPORTED BY: YAFFA KAPLAN JOB NO. 5496805 ATTENDEES (Continued): THAD McTIGUE, Teachers' Retirement System LIZ SANCHEZ, Teachers' Retirement System ISAAC GLOVINSKY, Teachers' Retirement System RENEE PEARCE, Teachers' Retirement System MARTA ROSS, ESQ. Law Department Proceedings

MR. McTIGUE: During the executive session, a personnel matter was discussed with the Board. No action was taken. That's all that I have. MS. REILLY: Okay. MR. BROWN: No appropriate time? MR. McTIGUE: In this particular instance, it was just a personnel matter. MS. PENNY: I guess that's it. Is there a motion to adjourn? MR. KAZANSKY: David Kazansky, move to adjourn. MS. PENNY: Thank you, David. Is there a second? MR. ADLER: John Adler, second. MS. PENNY: John Adler. Any discussion? All those in favor of adjourning, please say aye. Aye. MS. VICKERS: Aye. MR. BUCKLEY: Aye. MR. ADLER: Aye. MR. BROWN: Aye. MR. KAZANSKY: Aye. MS. PENNY: Any opposed? Okay. We are Proceedings adjourned. (Time noted: 4:17 p.m.) Proceedings CERTIFICATE STATE OF NEW YORK )

4	: SS.
5	COUNTY OF QUEENS )
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7	I, YAFFA KAPLAN, a Notary Public
8	within and for the State of New York, do
9	hereby certify that the foregoing record of
10	proceedings is a full and correct
11	transcript of the stenographic notes taken
12	by me therein.
13	IN WITNESS WHEREOF, I have hereunto
14	set my hand this 29th day of April, 2020.
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