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Motor Coach Industries, Inc.,
Appellant,

Electronically Filed Dec 042019 05:52 p.m. Elizabeth A. Brown Clerk of Supreme Court
vs.
Keon Khiabani; Aria Khiabani, minors, by and through their Guardian Marie-Claude Rigaud; Siamak Barin, as Executor of the Estate of Kayvan Khiabani, m.D.; the Estate of Kayvan Khiabani; Siamak Barin, as Executor of the Estate of Katayoun Barin, DDS; and the Estate of Katayoun Barin, DDS, Respondents.

Appeal
from the Eighth Judicial District Court, Clark County
The Honorable Adriana Escobar, District Judge
District Court Case No. A-17-755977-C
Appellant's Appendix
Volume 26
Pages 6251-6500
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| :---: | :---: | :---: | :---: | :---: |
| 84 | Addendum to Stipulated Protective Order | 03/05/18 | 28 | 6879-6882 |
| 59 | All Pending Motions Transcript | 01/31/18 | $\begin{array}{r} 13 \\ 14 \\ \hline \end{array}$ | $\begin{aligned} & 3213-3250 \\ & 3251-3469 \end{aligned}$ |
| 2 | Amended Complaint and Demand for Jury Trial | 06/06/17 | 1 | 17-33 |
| 116 | Amended Declaration of Peter S. Christiansen, Esq. in Support of Plaintiffs' 4/24/18 Verified Memorandum of Costs and Disbursements Pursuant to NRS $18.005,18.020$, and 18.110 | 04/25/18 | 47 | 11736-11742 |
| 106 | Amended Jury List | 03/23/18 | 41 | 10236 |
| 114 | Appendix of Exhibits in Support of Plaintiffs' Verified Memorandum of Costs (Volume 1 of 2 ) | 04/24/18 | $\begin{aligned} & 42 \\ & 43 \\ & 44 \\ & 45 \\ & 46 \\ & \hline \end{aligned}$ | $\begin{aligned} & 10382-10500 \\ & 10501-10750 \\ & 10751-11000 \\ & 11001-11250 \\ & 11251-11360 \end{aligned}$ |
| 115 | Appendix of Exhibits in Support of Plaintiffs' Verified Memorandum of Costs (Volume 2 of 2) | 04/24/18 | $\begin{aligned} & 46 \\ & 47 \end{aligned}$ | $\begin{aligned} & 11361-11500 \\ & 11501-11735 \end{aligned}$ |
| 32 | Appendix of Exhibits to Defendant's Motion in Limine No. 7 to Exclude Any Claims That the Subject Motor Coach was Defective Based on Alleged Dangerous "Air Blasts" | 12/07/17 | $\begin{aligned} & 7 \\ & 8 \end{aligned}$ | $\begin{aligned} & 1584-1750 \\ & 1751-1801 \end{aligned}$ |
| 34 | Appendix of Exhibits to Defendants' Motion in Limine No. 13 to Exclude Plaintiffs' Expert Witness Robert Cunitz, Ph.D., or in the Alternative, to Limit His Testimony | 12/07/17 | $\begin{aligned} & 8 \\ & 9 \end{aligned}$ | $\begin{aligned} & 1817-2000 \\ & 2001-2100 \end{aligned}$ |


| 38 | Appendix of Exhibits to Plaintiffs' Joint Opposition to MCI Motion for Summary Judgment on All Claims Alleging a Product Defect and to MCI Motion for Summary Judgment on Punitive Damages | 12/21/17 | $\begin{gathered} 9 \\ 10 \\ 11 \end{gathered}$ | $\begin{aligned} & 2176-2250 \\ & 2251-2500 \\ & 2501-2523 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 119 | Appendix of Exhibits to: Motor Coach Industries, Inc.'s Motion for New Trial | 05/07/18 | 48 | 11770-11962 |
| 76 | Bench Brief in Support of Preinstructing the Jury that Contributory Negligence in Not a Defense in a Product Liability Action | 02/22/18 | 22 | 5321-5327 |
| 67 | Bench Brief on Contributory Negligence | 02/15/18 | 18 | 4309-4314 |
| 51 | Calendar Call Transcript | 01/18/18 | $\begin{aligned} & 11 \\ & 12 \end{aligned}$ | $\begin{aligned} & \hline 2748-2750 \\ & 2751-2752 \end{aligned}$ |
| 125 | Case Appeal Statement | 05/18/18 | 49 | 12098-12103 |
| 140 | Case Appeal Statement | 04/24/19 | 50 | 12462-12479 |
| 21 | Civil Order to Statistically Close Case | 10/24/17 | 3 | 587-588 |
| 127 | Combined Opposition to Motion for a Limited New Trial and MCI's Renewed Motion for Judgment as a Matter of Law Regarding Failure to Warn Claim | 06/08/18 | $\begin{aligned} & 49 \\ & 50 \end{aligned}$ | $\begin{aligned} & 12113-12250 \\ & 12251-12268 \end{aligned}$ |
| 1 | Complaint with Jury Demand | 05/25/17 | 1 | 1-16 |
| 10 | Defendant Bell Sports, Inc.'s Answer to Plaintiff's Amended Complaint | 07/03/17 | 1 | 140-153 |
| 11 | Defendant Bell Sports, Inc.'s Demand for Jury Trial | 07/03/17 | 1 | 154-157 |
| 48 | Defendant Bell Sports, Inc.'s Motion for Determination of Good Faith Settlement on Order Shortening Time | 01/17/18 | 11 | 2720-2734 |
| 7 | Defendant Motor Coach Industries, Inc.'s Answer to Plaintiffs' Amended Complaint | 06/30/17 | 1 | 101-116 |
| 8 | Defendant Sevenplus Bicycles, Inc. d/b/a Pro Cyclery's Answer to Plaintiffs' Amended Complaint | 06/30/17 | 1 | 117-136 |


| 9 | Defendant Sevenplus Bicycles, Inc. <br> d/b/a Pro Cyclery's Demand for Jury <br> Trial | $06 / 30 / 17$ | 1 | $137-139$ |
| :---: | :--- | :---: | :---: | :---: |
| 19 | Defendant SevenPlus Bicycles, Inc. <br> d/b/a Pro Cyclery's Motion for <br> Determination of Good Faith <br> Settlement | $09 / 22 / 17$ | 2 | $313-323$ |
| 31 | Defendant's Motion in Limine No. 7 to <br> Exclude Any Claims That the Subject <br> Motor Coach was Defective Based on <br> Alleged Dangerous "Air Blasts" | $12 / 07 / 17$ | 7 | $1572-1583$ |
| 20 | Defendant's Notice of Filing Notice of <br> Removal | $10 / 17 / 17$ | 2 | $324-500$ |
| 55 | Defendant's Reply in Support of <br> Motion in Limine No. 17 to Exclude <br> Claim of Lost Income, Including the <br> August 28 Expert Report of Larry <br> Stokes | $01 / 22 / 18$ | 12 | $2794-2814$ |
| 53 | Defendant's Reply in Support of <br> Motion in Limine No. 7 to Exclude <br> Any Claims that the Subject Motor <br> Coach was Defective Based on Alleged <br> Dangerous "Air Blasts" | $01 / 22 / 18$ | 12 | $2778-2787$ |
| 71 | Defendant's Trial Brief in Support of <br> Level Playing Field | $02 / 20 / 18$ | 19 | $4748-4750$ |
| 5 | Defendants Michelangelo Leasing Inc. <br> dba Ryan's Express and Edward <br> Hubbard's Answer to Plaintiffs' <br> Amended Complaint | $06 / 28 / 17$ | 1 | $8751-4808$ |
| 56 | Defendants Michelangelo Leasing Inc. <br> dba Ryan's Express and Edward <br> Hubbard's Joinder to Plaintiffs' <br> Motion for Determination of Good <br> Faith Settlement with Michelangelo <br> Leasing Inc. dba Ryan's Express and <br> Edward Hubbard | $01 / 22 / 18$ | 12 | $2815-2817$ |
| 33 | Defendants' Motion in Limine No. 13 <br> to Exclude Plaintiffs' Expert Witness | $12 / 07 / 17$ | 8 | $1802-1816$ |
|  | 12 |  |  |  |


|  | Robert Cunitz, Ph.d., or in the Alternative, to Limit His Testimony |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 36 | Defendants' Motion in Limine No. 17 to Exclude Claim of Lost Income, Including the August 28 Expert Report of Larry Stokes | 12/08/17 | 9 | 2106-2128 |
| 54 | Defendants' Reply in Support of Motion in Limine No. 13 to Exclude Plaintiffs' Expert Witness Robert Cunitz, Ph.D., or in the Alternative to Limit His Testimony | 01/22/18 | 12 | 2788-2793 |
| 6 | Demand for Jury Trial | 06/28/17 | 1 | 98-100 |
| 147 | Exhibits G-L and O to: Appendix of Exhibits to: Motor Coach Industries, Inc.'s Motion for a Limited New Trial (FILED UNDER SEAL) | 05/08/18 | $\begin{aligned} & 51 \\ & 52 \end{aligned}$ | $\begin{aligned} & \hline 12705-12739 \\ & 12740-12754 \end{aligned}$ |
| 142 | Findings of Fact and Conclusions of Law and Order on Motion for Determination of Good Faith Settlement (FILED UNDER SEAL) | 03/14/18 | 51 | 12490-12494 |
| 75 | Findings of Fact, Conclusions of Law, and Order | 02/22/18 | 22 | 5315-5320 |
| 108 | Jury Instructions | 03/23/18 | $\begin{aligned} & 41 \\ & 42 \end{aligned}$ | $\begin{aligned} & \hline 10242-10250 \\ & 10251-10297 \end{aligned}$ |
| 110 | Jury Instructions Reviewed with the Court on March 21, 2018 | 03/30/18 | 42 | 10303-10364 |
| 64 | Jury Trial Transcript | 02/12/18 | $\begin{aligned} & 15 \\ & 16 \end{aligned}$ | $\begin{aligned} & \hline 3537-3750 \\ & 3751-3817 \end{aligned}$ |
| 85 | Jury Trial Transcript | 03/06/18 | $\begin{aligned} & 28 \\ & 29 \end{aligned}$ | $\begin{aligned} & 6883-7000 \\ & 7001-7044 \end{aligned}$ |
| 87 | Jury Trial Transcript | 03/08/18 | 30 | 7266-7423 |
| 92 | Jury Trial Transcript | 03/13/18 | 33 | 8026-8170 |
| 93 | Jury Trial Transcript | 03/14/18 | $\begin{aligned} & 33 \\ & 34 \end{aligned}$ | $\begin{aligned} & 8171-8250 \\ & 8251-8427 \end{aligned}$ |
| 94 | Jury Trial Transcript | 03/15/18 | $\begin{aligned} & 34 \\ & 35 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8428-8500 \\ & 8501-8636 \end{aligned}$ |
| 95 | Jury Trial Transcript | 03/16/18 | 35 | 8637-8750 |


|  |  |  | 36 | 8751-8822 |
| :---: | :---: | :---: | :---: | :---: |
| 98 | Jury Trial Transcript | 03/19/18 | $\begin{aligned} & \hline 36 \\ & 37 \end{aligned}$ | $\begin{aligned} & \hline 8842-9000 \\ & 9001-9075 \end{aligned}$ |
| 35 | Motion for Determination of Good Faith Settlement Transcript | 12/07/17 | 9 | 2101-2105 |
| 22 | Motion for Summary Judgment on Foreseeability of Bus Interaction with Pedestrians or Bicyclists (Including Sudden Bicycle Movement) | 10/27/17 | 3 | 589-597 |
| 26 | Motion for Summary Judgment on Punitive Damages | 12/01/17 | 3 | 642-664 |
| 117 | Motion to Retax Costs | 04/30/18 | $\begin{aligned} & 47 \\ & 48 \end{aligned}$ | $\begin{aligned} & 11743-11750 \\ & 11751-11760 \end{aligned}$ |
| 58 | Motions in Limine Transcript | 01/29/18 | $\begin{aligned} & 12 \\ & 13 \end{aligned}$ | $\begin{aligned} & \hline 2998-3000 \\ & 3001-3212 \end{aligned}$ |
| 61 | Motor Coach Industries, Inc.'s Answer to Second Amended Complaint | 02/06/18 | 14 | 3474-3491 |
| 90 | Motor Coach Industries, Inc.'s Brief in Support of Oral Motion for Judgment as a Matter of Law (NRCP 50(a)) | 03/12/18 | $\begin{aligned} & 32 \\ & 33 \end{aligned}$ | $\begin{aligned} & 7994-8000 \\ & 8001-8017 \end{aligned}$ |
| 146 | Motor Coach Industries, Inc.'s Motion for a Limited New Trial (FILED UNDER SEAL) | 05/07/18 | 51 | 12673-12704 |
| 30 | Motor Coach Industries, Inc.'s Motion for Summary Judgment on All Claims Alleging a Product Defect | 12/04/17 | $\begin{aligned} & \hline 6 \\ & 7 \end{aligned}$ | $\begin{aligned} & 1491-1500 \\ & 1501-1571 \end{aligned}$ |
| 145 | Motor Coach Industries, Inc.'s Motion to Alter or Amend Judgment to Offset Settlement Proceed Paid by Other Defendants (FILED UNDER SEAL) | 05/07/18 | 51 | 12647-12672 |
| 96 | Motor Coach Industries, Inc.'s Opposition to Plaintiff's Trial Brief Regarding Admissibility of Taxation Issues and Gross Versus Net Loss Income | 03/18/18 | 36 | 8823-8838 |
| 52 | Motor Coach Industries, Inc.'s PreTrial Disclosure Pursuant to NRCP 16.1(a)(3) | 01/19/18 | 12 | 2753-2777 |


| 120 | Motor Coach Industries, Inc.'s Renewed Motion for Judgment as a Matter of Law Regarding Failure to Warn Claim | 05/07/18 | $\begin{aligned} & 48 \\ & 49 \end{aligned}$ | $\begin{aligned} & 11963-12000 \\ & 12001-12012 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 47 | Motor Coach Industries, Inc.'s Reply in Support of Its Motion for Summary Judgment on All Claims Alleging a Product Defect | 01/17/18 | 11 | 2705-2719 |
| 149 | Motor Coach Industries, Inc.'s Reply in Support of Motion to Alter or Amend Judgment to Offset Settlement Proceeds Paid by Other Defendants (FILED UNDER SEAL) | 07/02/18 | 52 | 12865-12916 |
| 129 | Motor Coach Industries, Inc.'s Reply in Support of Renewed Motion for Judgment as a Matter of Law Regarding Failure to Warn Claim | 06/29/18 | 50 | 12282-12309 |
| 70 | Motor Coach Industries, Inc.'s Response to "Bench Brief on Contributory Negligence" | 02/16/18 | 19 | 4728-4747 |
| 131 | Motor Coach Industries, Inc.'s Response to "Plaintiffs' Supplemental Opposition to MCI's Motion to Alter or Amend Judgment to Offset Settlement Proceeds Paid to Other Defendants" | 09/24/18 | 50 | 12322-12332 |
| 124 | Notice of Appeal | 05/18/18 | 49 | 12086-12097 |
| 139 | Notice of Appeal | 04/24/19 | 50 | 12412-12461 |
| 138 | Notice of Entry of "Findings of Fact and Conclusions of Law on Defendant's Motion to Retax" | 04/24/19 | 50 | 12396-12411 |
| 136 | Notice of Entry of Combined Order (1) Denying Motion for Judgment as a Matter of Law and (2) Denying Motion for Limited New Trial | 02/01/19 | 50 | 12373-12384 |
| 141 | Notice of Entry of Court's Order Denying Defendant's Motion to Alter or Amend Judgment to Offset Settlement Proceeds Paid by Other | 05/03/19 | 50 | 12480-12489 |


|  | Defendants Filed Under Seal on <br> March 26, 2019 |  |  |  |
| :---: | :--- | :---: | :---: | :---: |
| 40 | Notice of Entry of Findings of Fact <br> Conclusions of Law and Order on <br> Motion for Determination of Good <br> Faith Settlement | $01 / 08 / 18$ | 11 | $2581-2590$ |
| 137 | Notice of Entry of Findings of Fact, <br> Conclusions of Law and Order on <br> Motion for Good Faith Settlement | $02 / 01 / 19$ | 50 | $12385-12395$ |
| 111 | Notice of Entry of Judgment | $04 / 18 / 18$ | 42 | $10365-10371$ |
| 12 | Notice of Entry of Order | $07 / 11 / 17$ | 1 | $158-165$ |
| 16 | Notice of Entry of Order | $08 / 23 / 17$ | 1 | $223-227$ |
| 63 | Notice of Entry of Order | $02 / 09 / 18$ | 15 | $3511-3536$ |
| 97 | Notice of Entry of Order | $03 / 19 / 18$ | 36 | $8839-8841$ |
| 15 | Notice of Entry of Order (CMO) | $08 / 18 / 17$ | 1 | $214-222$ |
| 4 | Notice of Entry of Order Denying <br> Without Prejudice Plaintiffs' Ex Parte <br> Motion for Order Requiring Bus | $06 / 22 / 17$ | 1 | $77-80$ |
| Company and Bus Driver to Preserve <br> an Immediately Turn Over Relevant |  |  |  |  |
| Electronic Monitoring Information <br> from Bus and Driver Cell Phone | $07 / 20 / 17$ | 1 | $166-171$ |  |
| 13 | Notice of Entry of Order Granting <br> Plaintiffs' Motion for Preferential Trial <br> Setting | N |  |  |
| 133 | Notice of Entry of Stipulation and <br> Order Dismissing Plaintiffs' Claims <br> Against Defendant SevenPlus <br> Bicycles, Inc. Only | $10 / 17 / 18$ | 50 | $12361-12365$ |
| 134 | Notice of Entry of Stipulation and <br> Order Dismissing Plaintiffs' Claims <br> Against Bell Sports, Inc. Only | $10 / 17 / 18$ | 50 | $12366-12370$ |
| 143 | Objection to Special Master Order <br> Staying Post-Trial Discovery Including <br> May 2, 2018 Deposition of the <br> Custodian of Records of the Board of <br> Regents NSHE and, Alternatively, <br> Motion for Limited Post-Trial | $05 / 03 / 18$ | 51 | $12495-12602$ |


|  | Discovery on Order Shortening Time <br> (FILED UNDER SEAL) |  |  |  |
| :---: | :--- | :---: | :---: | :---: |
| 39 | Opposition to "Motion for Summary <br> Judgment on Foreseeability of Bus <br> Interaction with Pedestrians of <br> Bicyclists (Including Sudden Bicycle <br> Movement"" | $12 / 27 / 17$ | 11 | $2524-2580$ |
| 123 | Opposition to Defendant's Motion to <br> Retax Costs | $05 / 14 / 18$ | 49 | $12039-12085$ |
| 118 | Opposition to Motion for Limited Post- <br> Trial Discovery | $05 / 03 / 18$ | 48 | $11761-11769$ |
| 151 | Order (FILED UNDER SEAL) | $03 / 26 / 19$ | 52 | $12931-12937$ |
| 135 | Order Granting Motion to Dismiss <br> Wrongful Death Claim | $01 / 31 / 19$ | 50 | $12371-12372$ |
| 25 | Order Regarding "Plaintiffs' Motion to <br> Amend Complaint to Substitute <br> Parties" and "Countermotion to Set a <br> Reasonable Trial Date Upon Changed <br> Circumstance that Nullifies the <br> Reason for Preferential Trial Setting" | $11 / 17 / 17$ | 3 | $638-641$ |
| 45 | Plaintiffs' Addendum to Reply to <br> Opposition to Motion for Summary <br> Judgment on Forseeability of Bus <br> Interaction with Pedestrians or <br> Bicyclists (Including Sudden Bicycle <br> Movement"" | $01 / 17 / 18$ | 11 | $2654-2663$ |
| 49 | Plaintiffs' Joinder to Defendant Bell <br> Sports, Inc.'s Motion for <br> Determination of Good Faith <br> Settlement on Order Shortening Time | $01 / 18 / 18$ | 11 | $2735-2737$ |
| 41 | Plaintiffs' Joint Opposition to <br> Defendant's Motion in Limine No. 3 to <br> Preclude Plaintiffs from Making <br> Reference to a "Bullet Train" and to <br> Defendant's Motion in Limine No. 7 to <br> Exclude Any Claims That the Motor <br> Coach was Defective Based on Alleged <br> Dangerous "Air Blasts" | $01 / 08 / 18$ | 11 | $2591-2611$ |
| (18 |  |  |  |  |


| 37 | Plaintiffs' Joint Opposition to MCI <br> Motion for Summary Judgment on All <br> Claims Alleging a Product Defect and <br> to MCI Motion for Summary <br> Judgment on Punitive Damages | $12 / 21 / 17$ | 9 | $2129-2175$ |
| :---: | :--- | :---: | :---: | :---: |
| 50 | Plaintiffs' Motion for Determination of <br> Good Faith Settlement with <br> Defendants Michelangelo Leasing Inc. <br> d/b/a Ryan's Express and Edward <br> Hubbard Only on Order Shortening <br> Time | $01 / 18 / 18$ | 11 | $2738-2747$ |
| 42 | Plaintiffs' Opposition to Defendant's <br> Motion in Limine No. 13 to Exclude <br> Plaintiffs' Expert Witness Robert <br> Cunitz, Ph.D. or in the Alternative to <br> Limit His Testimony | $01 / 08 / 18$ | 11 | $2612-2629$ |
| 43 | Plaintiffs' Opposition to Defendant's <br> Motion in Limine No. 17 to Exclude <br> Claim of Lost Income, Including the | $01 / 08 / 18$ | 11 | $2630-2637$ |
| August 28 Expert Report of Larry <br> Stokes |  |  |  |  |
| 126 | Plaintiffs' Opposition to MCI's Motion <br> to Alter or Amend Judgment to Offset <br> Settlement Proceeds Paid by Other <br> Defendants | $06 / 06 / 18$ | 49 | $12104-12112$ |
| 130 | Plaintiffs' Supplemental Opposition to <br> MCI's Motion to Alter or Amend <br> Judgment to Offset Settlement <br> Proceeds Paid by Other Defendants | $09 / 18 / 18$ | 50 | $12310-12321$ |
| 150 | Plaintiffs' Supplemental Opposition to <br> MCI's Motion to Alter or Amend <br> Judgment to Offset Settlement <br> Proceeds Paid by Other Defendants <br> (FILED UNDER SEAL) | $09 / 18 / 18$ | 52 | $12917-12930$ |
| 122 | Plaintiffs' Supplemental Verified <br> Memorandum of Costs and <br> Disbursements Pursuant to NRS <br> 18.005, 18.020, and 18.110 | $05 / 09 / 18$ | 49 | $12019-12038$ |


| 91 | Plaintiffs' Trial Brief Regarding <br> Admissibility of Taxation Issues and <br> Gross Versus Net Loss Income | $03 / 12 / 18$ | 33 | $8018-8025$ |
| :---: | :--- | :---: | :---: | :---: |
| 113 | Plaintiffs' Verified Memorandum of <br> Costs and Disbursements Pursuant to <br> NRS 18.005, 18.020, and 18.110 | $04 / 24 / 18$ | 42 | $10375-10381$ |
| 105 | Proposed Jury Instructions Not Given | $03 / 23 / 18$ | 41 | $10207-10235$ |
| 109 | Proposed Jury Verdict Form Not Used <br> at Trial | $03 / 26 / 18$ | 42 | $10298-10302$ |
| 57 | Recorder's Transcript of Hearing on <br> Defendant's Motion for Summary <br> Judgment on All Claims Alleging a <br> Product Defect | $01 / 23 / 18$ | 12 | $2818-2997$ |
| 148 | Reply in Support of Motion for a <br> Limited New Trial (FILED UNDER <br> SEAL) | $07 / 02 / 18$ | 52 | $12755-12864$ |
| 128 | Reply on Motion to Retax Costs | $06 / 29 / 18$ | 50 | $12269-12281$ |
| 44 | Reply to Opposition to Motion for <br> Summary Judgment on Foreseeability <br> of Bus Interaction with Pedestrians or <br> Bicyclists (Including Sudden Bicycle <br> Movement)" | $01 / 16 / 18$ | 11 | $2638-2653$ |
| 46 | Reply to Plaintiffs' Opposition to <br> Motion for Summary Judgment on <br> Punitive Damages | $01 / 17 / 18$ | 11 | $2664-2704$ |
| 3 | Reporter's Transcript of Motion for <br> Temporary Restraining Order | $06 / 15 / 17$ | 1 | $34-76$ |
| 144 | Reporter's Transcript of Proceedings <br> (FILED UNDER SEAL) | $05 / 04 / 18$ | 51 | $12603-12646$ |
| 14 | Reporter's Transcription of Motion for <br> Preferential Trial Setting | $07 / 20 / 17$ | 1 | $172-213$ |
| 18 | Reporter's Transcription of Motion of <br> Status Check and Motion for <br> Reconsideration with Joinder | $09 / 21 / 17$ | 1 | $237-250$ |
| 65 | Reporter's Transcription of <br> Proceedings | $02 / 13 / 18$ | 16 | $3818-4000$ |
| 66 | Reporter's Transcription of <br> Proceedings | 17 | $4001-4037$ |  |
|  | $02 / 14 / 18$ | 17 | $4038-4250$ |  |
| $4251-4308$ |  |  |  |  |


| 68 | Reporter's Transcription of Proceedings | 02/15/18 | 18 | 4315-4500 |
| :---: | :---: | :---: | :---: | :---: |
| 69 | Reporter's Transcription of Proceedings | 02/16/18 | 19 | 4501-4727 |
| 72 | Reporter's Transcription of Proceedings | 02/20/18 | $\begin{aligned} & 20 \\ & 21 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4809-5000 \\ & 5001-5039 \\ & \hline \end{aligned}$ |
| 73 | Reporter's Transcription of Proceedings | 02/21/18 | 21 | 5040-5159 |
| 74 | Reporter's Transcription of Proceedings | 02/22/18 | $\begin{aligned} & 21 \\ & 22 \\ & \hline \end{aligned}$ | $\begin{aligned} & 5160-5250 \\ & 5251-5314 \\ & \hline \end{aligned}$ |
| 77 | Reporter's Transcription of Proceedings | 02/23/18 | $\begin{aligned} & 22 \\ & 23 \end{aligned}$ | $\begin{aligned} & 5328-5500 \\ & 5501-5580 \end{aligned}$ |
| 78 | Reporter's Transcription of Proceedings | 02/26/18 | $\begin{array}{r} 23 \\ 24 \\ \hline \end{array}$ | $\begin{aligned} & 5581-5750 \\ & 5751-5834 \\ & \hline \end{aligned}$ |
| 79 | Reporter's Transcription of Proceedings | 02/27/18 | $\begin{aligned} & 24 \\ & 25 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5835-6000 \\ & 6001-6006 \\ & \hline \end{aligned}$ |
| 80 | Reporter's Transcription of Proceedings | 02/28/18 | 25 | 6007-6194 |
| 81 | Reporter's Transcription of Proceedings | 03/01/18 | $\begin{aligned} & 25 \\ & 26 \\ & \hline \end{aligned}$ | $\begin{aligned} & 6195-6250 \\ & 6251-6448 \end{aligned}$ |
| 82 | Reporter's Transcription of Proceedings | 03/02/18 | $\begin{aligned} & 26 \\ & 27 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6449-6500 \\ & 6501-6623 \end{aligned}$ |
| 83 | Reporter's Transcription of Proceedings | 03/05/18 | $\begin{aligned} & 27 \\ & 28 \end{aligned}$ | $\begin{aligned} & 6624-6750 \\ & 6751-6878 \end{aligned}$ |
| 86 | Reporter's Transcription of Proceedings | 03/07/18 | $\begin{aligned} & 29 \\ & 30 \end{aligned}$ | $\begin{aligned} & \hline 7045-7250 \\ & 7251-7265 \end{aligned}$ |
| 88 | Reporter's Transcription of Proceedings | 03/09/18 | $\begin{aligned} & 30 \\ & 31 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7424-7500 \\ & 7501-7728 \\ & \hline \end{aligned}$ |
| 89 | Reporter's Transcription of Proceedings | 03/12/18 | $\begin{aligned} & 31 \\ & 32 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7729-7750 \\ & 7751-7993 \\ & \hline \end{aligned}$ |
| 99 | Reporter's Transcription of Proceedings | 03/20/18 | $\begin{aligned} & \hline 37 \\ & 38 \end{aligned}$ | $\begin{aligned} & \hline 9076-9250 \\ & 9251-9297 \end{aligned}$ |
| 100 | Reporter's Transcription of Proceedings | 03/21/18 | $\begin{aligned} & 38 \\ & 39 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 9298-9500 \\ & 9501-9716 \\ & \hline \end{aligned}$ |
| 101 | Reporter's Transcription of Proceedings | 03/21/18 | $\begin{aligned} & 39 \\ & 40 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 9717-9750 \\ & 9751-9799 \end{aligned}$ |


| 102 | Reporter's Transcription of <br> Proceedings | $03 / 21 / 18$ | 40 | $9800-9880$ |
| :---: | :--- | :---: | :---: | :---: |
| 103 | Reporter's Transcription of <br> Proceedings | $03 / 22 / 18$ | 40 | $9881-10000$ <br> $10001-10195$ |
| 104 | Reporter's Transcription of <br> Proceedings | $03 / 23 / 18$ | 41 | $10196-10206$ |
| 24 | Second Amended Complaint and <br> Demand for Jury Trial | $11 / 17 / 17$ | 3 | $619-637$ |
| 107 | Special Jury Verdict | $03 / 23 / 18$ | 41 | $10237-10241$ |
| 112 | Special Master Order Staying Post- <br> Trial Discovery Including May 2, 2018 <br> Deposition of the Custodian of Records <br> of the Board of Regents NSHE | $04 / 24 / 18$ | 42 | $10372-10374$ |
| 62 | Status Check Transcript | $02 / 09 / 18$ | 14 | $3492-3500$ <br> $3501-3510$ <br> 17 |
| 121 | Stipulated Protective Order <br> Supplement to Motor Coach <br> Industries, Inc.'s Motion for a Limited <br> New Trial | $05 / 08 / 18$ | 49 | $12013-12018$ |
| 60 | Supplemental Findings of Fact, <br> Conclusions of Law, and Order | $02 / 05 / 18$ | 14 | $3470-3473$ |
| 132 | Transcript | $09 / 25 / 18$ | 50 | $12333-12360$ |
| 23 | Transcript of Proceedings | $11 / 02 / 17$ | 3 | $598-618$ |
| 27 | Volume 1: Appendix of Exhibits to <br> Motion for Summary Judgment on <br> Punitive Damages | $12 / 01 / 17$ | 3 | $665-750$ |
| $751-989$ |  |  |  |  |
| 28 | Volume 2: Appendix of Exhibits to <br> Motion for Summary Judgment on <br> Punitive Damages | $12 / 01 / 17$ | 4 | $990-1000$ <br> $1001-1225$ |
| 29 | Volume 3: Appendix of Exhibits to <br> Motion for Summary Judgment on <br> Punitive Damages | $12 / 01 / 17$ | 5 <br> 6 | $1226-1250$ <br> $1251-1490$ |

that that technology was available to us at that time."
Are you objecting to that?
MR. PEPPERMAN: No, I'm fine with that. I mean, you know, something that goes to the -- the questions that were asked, but, I mean, the following six full pages of testimony talking about --

THE COURT: Let's go now to specifically -MR. PEPPERMAN: -- what was just excluded -THE COURT: Excuse me. Let's go
specifically, Mr. Pepperman, to page 105, line 5 through 25.
"Is there any reason, as we sit here today, that you can think of that" -- excuse me -- "that, if you had wanted to use a proximity sensor in 2007, mechanically, you couldn't have done it?"

Mr. Russell objects to foundation.
I'm letting you read the rest, so -- you know, through 25 on your own.

Okay. I --
MR. RUSSELL: And my argument --
THE COURT: If this continues, I'm just going to have to -- we're going to have this testimony later. And you'll have to sit down and go through what -what -- what all these issues really are. I'm really making a sincere effort to go line by line in the
evenings, but really --
MR. RUSSELL: I'd like to -- and to help that, I'd like to make a suggestion, Your Honor, because it appears, on the most recent list that plaintiffs have produced, there's sections that they had not -- had previously been designated that weren't included. And --

THE COURT: So I'm not -- I'm working -- I've spent my time working through an old copy?

MR. RUSSELL: Right.
THE COURT: It's not updated?
MR. PEPPERMAN: No, that is absolutely not true.

THE COURT: I -- I just -- here's what I'd like.

MR. RUSSELL: I'm offering to sit down with Mr. Pepperman.

THE COURT: Here's what I'd like: I'm a very patient person. I'm happy to look at everything, but, truly, the most updated copy would be very good for me because it would save me a lot of time and effort which I'm happy to put into other areas of the case instead of doing this.

MR. PEPPERMAN: Your Honor, you have an
up-to-date copy. We submitted our designations; they
submitted objections. We responded to the objections they gave us.

THE COURT: But you know what? We're going back and forth on this right now. And I don't feel that I have this in an organized fashion.

MR. RUSSELL: And I'm happy to sit down with Mr. Pepperman --

THE COURT: In fairness, I am a very patient person, maybe too -- too patient, but I am -- would like us to be a little bit more organized. I think that's a reasonable request by the Court.

MR. PEPPERMAN: Absolutely.
THE COURT: Okay? So --
MR. PEPPERMAN: I'm sorry. I'm just trying to go through some of the broad ones and --

THE COURT: I understand. But, truthfully, if you sit down and just clear this up for me a little bit more, it would really save me a tremendous amount of time. Okay? You have to remember that these are coming in daily now and -- and I'm trying to keep up with them. And there's two sets of -- you know, I don't -- I mean, I don't want to break my word. And I'm honored to be here and to hear this case, but you have a team on each side, and there's only one judge that wants to read everything. So --

MR. PEPPERMAN: I understand, Your Honor. THE COURT: Okay. There's only one of me.

So we -- we still have what I -- what I -I'd like you -- and then 11, it's sort of occurring again. And 10 may or may not be okay.

So I'd like -- well, my sections, I'd like you to please look from lines 98, 8-15, I've already gone and give detail what those are in that section. Okay?

Then the next section, with respect to lines 114, 14 through 25; 115 -- I'm sorry -- page 115, lines 1 through 25; page 116, 1 through 25; 1 -- 117, 1 through 25; 118, 1 through 25; 119, 1 through 25; and 120, I'd like you to review that too and make sure it's organized.

And then for the section that $I$ believe is my last section that I've reviewed -- again, I -- I don't think everything is complete here, and that -- it talks about cross-designations and everything else.

And I have page 120, 14 through 25; 121, 1 through 25; 122, 1 through 22; 127, 3 through 25; 128, 1 through 9. And then there may be other pages as have been coming up in our conversations.

I want you to straighten that out before -and give me what you've decided and what's accurate
before I revisit this. Okay? Please.
All right. And then -- is there anything else that we need to discuss right now?

MR. RUSSELL: Are guys going to play Ellis today, Eric?

MR. BARGER: You got two live witnesses; right? You got Dr. Stokes and --

MR. RUSSELL: Yeah.
THE COURT: So I think that -- with respect to -- we have two live witnesses. And then if we -- we can do the balance of this maybe at a break, we could play Mr. Lamothe's testimony if --

MR. PEPPERMAN: Yeah. Why don't I sit down with Mr. Russell and Mr. Terry and talk about Barron and Lamothe.

THE COURT: And -- and the parts that we haven't covered in Lamothe. Okay?

MR. PEPPERMAN: Yeah, we're almost done.
THE COURT: I think Mr. Ellis should be -I'd like to make sure that you've -- because I -- I -I'd like to make sure that you have a chance to really make sure that everything is cogent and organized in that one as well.

MR. PEPPERMAN: I think Mr. Christiansen's office did those.

THE COURT: Okay. Just letting you know that I would welcome that.

MR. PEPPERMAN: No problem.
THE COURT: Okay?
All right. So is there anything else? I -I wasn't anticipating anything else right now.

MR. HENRIOD: Your Honor, I think it can wait -- especially till your cocounsel gets here -but, before we take Mr. Hubbard, I just had -- I really think -- a five-minute issue as to what we can talk about and what we can't. I don't want to cross any lines, but that can wait.

THE COURT: Okay. I will be in my chambers, and just let me know once you've discussed it among yourselves and I'll come out right away.

MR. BARGER: Dr. Stokes is first. We can wait till the afternoon.

THE COURT: Dr. Stokes is first? And if you have any issue with Dr . Stokes and you need to clear them up, let me know.

MR. RUSSELL: Thank you.
(Whereupon a short recess was taken.).
THE MARSHAL: All rise. Department 14 is now
in session with the Honorable Adriana Escobar presiding.

Please be seated. Come to order.
THE COURT: Is our jury ready?
THE MARSHAL: I'll line them up. Are we
ready?
THE COURT: Just a moment. I believe that -do we -- we need to discuss a matter before the next witness; is that correct?

MR. ROBERTS: We had a matter before Hubbard, the bus driver.

THE COURT: Yes.
MR. ROBERTS: But it's our understanding that they've switched and Stokes is going to go first. So we can do it now or we can do it in between witnesses.

MR. KEMP: Let's do in between since the jury has been waiting, Your Honor.

THE COURT: All right. Very good.
All right. Let's ...
THE MARSHAL: Ready, Your Honor?
THE COURT: Yes.
THE MARSHAL: All rise.
(The following proceedings were held in the presence of the jury.)

THE MARSHAL: All the jurors are present, Your Honor.

THE COURT: Thank you, Marshal.

THE MARSHAL: Please be seated. Come to order.

THE COURT: Madam clerk, please take roll. THE COURT CLERK: Yes, Your Honor. Byron Lennon.

JUROR NO. 1: Here.
THE COURT CLERK: John Toston.
JUROR NO. 2: Here.
THE COURT CLERK: Michelle Peligro.
JUROR NO. 3: Here.
THE COURT CLERK: Raphael Javier.
JUROR NO. 4: Here.
THE COURT CLERK: Dylan Domingo.
JUROR NO. 5: Here.
THE COURT CLERK: Aberash Getaneh.
JUROR NO. 6: Here.
THE COURT CLERK: Jaymi Johnson.
JUROR NO. 7: Here.
THE COURT CLERK: Constance Brown.
JUROR NO. 8: Here.
THE COURT CLERK: Enrique Tuquero.
JUROR NO. 9: Here.
THE COURT CLERK: Raquel Romero.
JUROR NO. 10: Here.
THE COURT CLERK: Pamela Phillips-Chong.

JUROR NO. 11: Here.
THE COURT CLERK: Gregg Stephens.
JUROR NO. 12: Here.
THE COURT CLERK: Glenn Krieger.
JUROR NO. 13: Here.
THE COURT CLERK: Emilie Mosqueda.
JUROR NO. 14: Here.
THE CLERK: Thank you.
THE COURT: Do the parties stipulate to the presence of the jury?

MR. CHRISTIANSEN: Yes, Your Honor.
MR. ROBERTS: Yes, Your Honor.
THE COURT: Mr. Christiansen, are you --
MR. CHRISTIANSEN: We're ready. Plaintiffs call Dr. Larry Stokes.

THE COURT: Okay. Please proceed.
THE MARSHAL: Watch your step, sir. Raise your right hand and remain standing.

THE CLERK: You do solemnly swear the testimony you're about to give in this action shall be the truth, the whole truth, and nothing but the truth, so help you God?

THE WITNESS: I do.
THE CLERK: Thank you. Please be seated. And please state and spell your name.

THE WITNESS: My name is Larry Stokes.
THE CLERK: $S$-t-o-k-e-s?
THE WITNESS: It is, yes.

## DIRECT EXAMINATION

BY MR. CHRISTIANSEN:
Q. Good afternoon, Mr. Stokes. Tell the ladies and gentlemen of the jury what you do for a living.
A. Good afternoon. I'm an economist. I do a lot of consulting that has to do with solving money problems, basically.
Q. By way of background, give us a thumbnail sketch of your education if you would, please.
A. All my formal education has been in economics and has also been from the University of Illinois. I received my bachelor's in economics there in '71, my master's in 1973, and then the PhD, or doctorate, I got that in 1976.
Q. What is the study of economics?
A. Basically, it's analyzing and trying to solve problems dealing with the economy and money and how -how it operates within the economy and within the world in general. Basically.
Q. I'm sorry. When was it that you got your degree in economics?
A. PhD was in '76.
Q. 42 years ago?
A. Yeah.
Q. 42 years ago?
A. A little more, right there.
Q. Okay. So you've been consistently employed in the field of economics for the past four-plus decades?
A. $\mathrm{Oh}, \mathrm{yes}$.
Q. What is the name of your business?
A. It's -- my business is called Beta Business Consulting.
Q. And who is employed at your business besides yourself?
A. The company's made up just of me and my wife. My wife is a CPA. She deals with a lot of accounting and tax issues. I deal with a lot of economics, and I have worked with my wife on certain projects where we have to do a pro forma for a business start-up or something like that.
Q. Where is your business located and do you primarily reside?
A. Scottsdale, Arizona. Both the business is there, and I reside in Scottsdale as well.
Q. That's in the Phoenix area?
A. It is.
Q. Have you always been in the field you're in today, or did your career somewhat change early on to get into the sort of litigation type of stuff?
A. Well, I have done a lot of different things. I've worked in combination of consulting and teaching. I have taught at the University of Illinois; Canisius College in Buffalo, New York; Arizona State University; Northern Arizona University. I taught one course at Scottsdale Community College. Most recently, Western International University in Phoenix.
Q. Okay. When called upon in a litigation case like this to -- or let me ask you directly.

What were you called upon to do, in this particular case, by Mr. Kemp?
A. I was asked to help estimate the economic losses associated with Dr. Khiabani's death.
Q. And how does one -- before we talk about how you did it particular to Dr. Khiabani, how does a person like yourself go about estimating economic loss?
A. In a litigation case, it's basically a combination of some personal information, background information on -- on Dr. Khiabani, his earnings, age, those sorts of things. And then we combine that with a lot of government data. We have to -- we have to deal
with government data. They're the only entity that's large enough to really collect the data that we use as economists.
Q. And when you say government data, what is it that you look to to get guideposts for your analysis?
A. Well, there's interest rate data from the Federal Reserve System. There's a lot of earnings and employment information from the Department of Labor and Department of Commerce as well. Work with a lot of Department of Labor data. All your consumer price index data, price index data. Those all come from U.S. Department of Labor.
Q. So those statistics aren't something you make up; it's something you get from the government?
A. $\mathrm{Oh}, \mathrm{yeah}$.
Q. For example, what's the statistical average person make in the United States these days?
A. It's just a little below 48,000. That's average weekly earnings of people in our economy. I think it's a 2006 number.
Q. And this methodology that you employ that uses statistics combined with personal information, such as you got for Dr. Khiabani, is that readily accepted in the field of economics?
A. Oh, it is, yes.
Q. For how long has it been readily accepted?
A. Well, long before I got into it. But that's pretty much standard, really.
Q. For the last 40-some years?
A. For sure then, yes.
Q. What portion of your practice, as an economist, is made up of litigation analysis like you're here to talk about today?
A. Right now, most of it -- most of it is. I'm not teaching it any longer, and so most of my consulting is based on the litigation types of cases like we'll be talking about here today.
Q. And have you been accepted in courts of law as an expert in the area of economics?
A. I have.
Q. Have you been offered and ever rejected as an expert?
A. No, I have not.
Q. And is this testimony something you do frequently? infrequently?
A. Far too frequently, it feels like sometimes. Yes.
Q. In courts all over the country or just in particular areas?
A. All over the country. Most of it, of course,
is in the Southwest area.
Q. Have you done work for lawyers here in

Southern Nevada?
A. I have.
Q. Mr. Kemp?
A. I have, yes.
Q. Other lawyers?
A. Well, Mr. Pepperman as well and quite a few lawyers in -- in the Las Vegas area, also some in the Reno area. Not very recently up there, but -- but I have.
Q. Have you been recognized in that as an expert in the area of economics throughout the Clark County and up in Washoe County?
A. I have.
Q. Have you ever been not recognized when offered as an experted?
A. No.
Q. Tell the ladies and gentlemen of the jury how you went about calculating the economic loss or loss of earning capacity for Dr. Kayvan Khiabani.
A. I had income tax information for

Dr. Khiabani. I had an earnings history that went back to 2011 through 2016. What I have to do is I have a starting figure that $I$ work with, and then you apply
different rates of growth over time. We add in some -some fringe benefits that are paid by employers. And then everything is adjusted to what we call present value.

So the starting point is -- was -- his -- was Dr. Khiabani's 2016 annual earnings figure. That's used as the base for all the projections into the future.
Q. So we can keep it in terms that I understand, you use a whole bunch of growth rates and present value, and you started with what the guy made in a year?
A. That's right.
Q. All right. What was that for Dr. Khiabani in the most recent year?
A. That was $\$ 990,503$.
Q. And how was Dr. Khiabani employed?
A. Well, he was a surgery professor, a professor of surgery. And I don't believe he was practicing in the field of medicine as a practicing physician, but he was an instructor, very good instructor evidently.
Q. And so you had, like most of us get, a w-2 or something of that nature that you were able to look at?
A. I did.
Q. That's from where you extracted the initial
number?
A. Yes.
Q. And you told the jury you went back several years, and you used the term "growth rate."

Help -- in layperson's terms, help us understand why you went back a few years and looked at how his salary changed, and give us an understanding for what the growth rate used in this case is.
A. Well, just looking back, we found that from 2011 up to '16, he consistently grew in his income. Then when you switch over to the statistical levels, we also had to bring the 2016 level to the year that I did this report, 2017. And I used employment cost index information from the U.S. Department of Labor.

For long-term projections, I looked at what doctors tend to make in the economy. And so over a period of 2002 to 2016, looked at the average earnings for doctors, applied that pretty much to Dr. Khiabani, made one further adjustment based on something called age earnings factors.

And what that is, very briefly, it's not a big factor in this, but when we first start out earning, we make less than the average for whatever -whatever occupation we have. Later on, you get a little smarter, you work a little more productively and
get rewarded. Your wages tend to go up.
After awhile, if you get old enough, your productivity drops off, sometimes it even -- even declines as we get older, if we go long enough in the labor force.

So those factors are also in there. It's not a big factor, but it is something that you need to look at because it's out there. You know, it's data that comes from the U.S. Department of Commerce, so we use it.
Q. You also told the ladies and gentlemen of the jury that you considered something called fringe benefits.

Help us understand what a fringe benefit is and how you considered it in determining economic loss as it pertains to Dr. Khiabani's situation.
A. Fringe benefits in this particular case is a pretty small component. But, basically, what I looked at were the health benefits that are paid by employers. Fringe benefits in general is the things that we get from the employers. You don't get to spend it, but it's things like health benefits, retirement benefits, those -- those kind of things.

In this particular case, I looked just at the average health benefit for professionals and management
people in the public sector, which would be where Dr. Khiabani fit in.

I only calculated health benefits for the time that his kids were under age 18.
Q. Help the people on the jury understand why you did that.
A. We all know it's not 100 percent true, but the government assumes that, when kids reach age 18, they leave the household. We know that's not quite the case, but we do use that. And so that's why I stopped the fringe benefits in the year that the youngest child reached age 18.
Q. Youngest child is Keon?
A. Yes.
Q. You talked a bit about age-earning profile. Is there a thing called worklife expectancy?
A. There is. What -- the start of the analysis is when Dr . Khiabani was killed. The end of the analysis in terms of working is what's called a worklife expectancy. It's kind of like the average number of years that we tend to work actively in the -in the competitive labor market.

It's usually less than what you'd consider as, you know, like a full retirement age because there are probabilities associated with building one of these
worklife expectancies that cause people to leave the market, to be between jobs, to leave and reenter the labor market, those kinds of things.

At any rate, we use worklife expectancy.
This all comes out of U.S. Department of Labor data on participation and that sort of thing.

So his -- his worklife expectancy was another 18 years. That would put him up to about age 69.
Q. Age 59 -- or 69. You're correct. My math -that's why you're the economist. He was age 51 ; right?
A. Yes.
Q. Up through age 69 is when you calculated statistically his worklife expectancy to end or to slow down?
A. No, to end.
Q. Okay. So if, in fact, he was somebody that worked past age 69, your calculations would have not included those additional years?

MR. ROBERTS: Objection. Speculation.
THE COURT: Overruled.
THE WITNESS: That's correct.
BY MR. CHRISTIANSEN:
Q. And do some professions or some occupations -- is a better word -- allow persons to work past the statistical average worklife expectancy?
A. Oh, sure. I mean, this is just an average that we're dealing with. And some people work a lot longer, some people work less, of course.
Q. Included within the statistical average, help the ladies and gentlemen of the jury understand what type of occupations are lumped in there to get statistical average.
A. In this particular set, it would be all people with professional degrees. That would be doctors, lawyers, economists, those type of people. People with lower levels of education tend to work fewer years.
Q. Okay. So tell me again what you calculated Dr. Khiabani's worklife expectancy to be.
A. It was 18 years.
Q. Up to the age of 69 ?
A. Yes.
Q. And how is worklife expectancy different than just life expectancy?
A. Well, for most of us, after you quit work, you keep on living. And what happens at the end of the worklife expectancy, we do have some income that comes in, partly Social Security, partly private retirement funds, whatever. Anyway, there's a considerable drop-off from the earning years until the income years.

But we do calculate the income that's expected from the end of the worklife expectancy to the end of the life expectancy. And that's also included in my analysis.
Q. You did that specifically as it pertains to Dr. Khiabani?
A. I did.
Q. And so make sure I understand what you're doing correctly -- or what you're doing.

After somebody gets to their statistical worklife expectancy, your calculations presuppose they've got some sort of income for money they've earned while they were working that sort of affords them for the rest of their life?
A. Yes.
Q. And you try to account for that in this situation?
A. Yes, I did.
Q. And is that what you called the income adjustment?
A. Yes.
Q. You talked about fringe benefits. How about health benefits? What, if any, part of your calculation were those included in?
A. That was included in the fringe benefits. And I think I mentioned, that was a relatively small --
small factor. It was for a very short period of time.
Q. So you take what the doctor was making on a given year, you add in fringe benefits, health benefits, look for some statistical worklife expectancy, and then you get sort of to a total of what he would have earned over his life?
A. What he would have earned and what he would have received in terms of retirement income after the -- from the end of his worklife expectancy to the end of the life expectancy.
Q. Is that the end of the analysis? You just add up everything you would have brought in from whatever source and say that's the total?
A. You could do that. It would be a very large number. I think it would be a very irrelevant number. We have to bring everything with -- to what's called present value. And if you people make a ruling on a loss or something like that, if it's paid, it's paid in the current time, but it has to take care of all these things that we were talking about into the future.

And so we have to take adjustments for, basically, the earning power of money itself. If you have a fund of money, you can invest it. You gain interest on that. You can use the money itself, plus the interest on it, for the total of the losses. And
so everything $I$ do is in present value terms.
Q. Okay. Do you do present value before or after you account for personal consumption?
A. Everything is -- I mean, personal consumption and all of the earnings and fringe benefits, everything that $I$ do is in terms of -- of present value. So that adjustment is made across the board.
Q. Explain to the ladies and gentlemen of the jury how you reach the total of what Dr. Khiabani's worklife earning capacity would have been. What is -or what do you do with a thing called personal consumption? Tell us what it is and then what do you do from that total with it.
A. Personal consumption, that's a value that we estimate based on his income, number of people in the household, those kinds of things. That's the amount of money out of his earnings and income that he would have tended to spend on himself. So this adjustment is taken out. He's no longer here, and so we have to also eliminate the consumption that he would have had.
Q. And how is it that you get some of the information? Do you get data particular to Dr. Kayvan Khiabani?
A. No. The only data that I have that's really specific to Dr. Khiabani is his earnings, the starting
salary that we had, also his date of birth. We knew how old he was and his educational level. Now, beyond that everything is -- you try to zero in as close as you can on the types of government data that are available for professionals, for example. And you just try to match up as much as you can the actuality of Dr. Khiabani with the published information, with the published data. But it's not specific to Dr. Khiabani. It's specific to the different classes or the cohorts which he would be a part.
Q. Did you receive, to factor into part of your information -- or your calculations, sort of an informational packet that was completed by Dr. Katy Barin, his wife?
A. I did.
Q. Help us understand what that is and why you used it or how you used it.
A. Well, what I got from Katy Barin was a personal history questionnaire, and it gave me the dates of birth of people in the family, it gave the educational levels, the basic background information that I used for the start-up on this case.
Q. Okay. So let's talk specifics before I get too deep. What was the total value of Dr. Kayvan Khiabani's earnings over the course of his life should
he have lived to the statistical average life expectancy?
A. Okay. The total earnings and income and fringe benefits was $\$ 21,112,263$.
Q. Just by way of demonstrative, you said 21 million -- I'll try to blow that up a little bit -112,263?
A. That's correct.
Q. Okay. That's the total. From that, did you have to subtract the personal consumption you told the ladies and gentlemen of the jury about?
A. I did, yes.
Q. And did you do that?
A. I did.
Q. And what was the personal consumption that you reduced the total by?
A. That's a present value. Again, it's \$5,849, 846.
Q. And, Dr. Stokes, when you say you're doing the present value of these numbers, help us understand specifically. As to these two numbers, once you reach a total, are you having to take that total back to what a present value or the value of that is today?
A. No. You don't go for the total because there are all these different growth rates. So each year of
the analysis, it's a specific thing. You have the starting figure. You have some growth applied. You have a discounting applied. It all happens simultaneously while we're going through this entire analysis.
Q. And is the growth and the reduction something that economists in your field for the past 40 years use regularly all across the country?
A. $\mathrm{Oh}, \mathrm{yes}$.
Q. And are these figures, the initial two, the present value of earnings income and fringe benefits and the present value of personal consumption, calculated to a reasonable degree of economic probability?
A. They are, yes.
Q. Okay. What do you do next?
A. You just look at the difference between those two numbers, and that gives you the present value of the loss of earnings, income, and fringe benefits.
Q. And what is that, for the ladies and gentlemen of the jury?
A. That loss is, again, a present value, \$15,262, 417.
Q. So am I to understand you correctly that if -- to fully, in today's money, to provide for the
total amount of earnings Dr. Khiabani, had he lived to a statistical average age and worked statistically average to the end of his worklife, you'd subtract from that the present or the personal consumption and come up with today -- in today dollars $\$ 15,262,417 ?$

MR. ROBERTS: Objection, Your Honor.
Irrelevant and confusing.
MR. CHRISTIANSEN: It was confusing. I will admit to that.

THE COURT: Sustained. It was confusion. MR. CHRISTIANSEN: Sorry. That's what
happens when you make a lawyer ask economists questions.

BY MR. CHRISTIANSEN:
Q. In shorthand, tell us what the first number is, 21 million and change.
A. That's the present value of all

Dr. Khiabani's expected earnings and income to the end of his normal life expectancy.
Q. From that, you subtract what he would have consumed in his life expectancy?
A. That's right.
Q. That's the second line, present value of personal consumption.
A. Correct.
Q. And the third line is the present value -that's today's dollars -- of the loss of earnings income and fringe benefits?
A. Correct. It's just the difference between the first two numbers.
Q. And that number, the third one, $\$ 15,262,417$, is that number calculated to a reasonable degree of economic probability?
A. It is, yes.
Q. Help the ladies and gentlemen of the jury understand the term "household services." What is it and why do you talk about it?
A. Household services, those are the things we all do around the home. Everybody in the household does some household services. We never get paid for it. It has -- it has value.

And so we've made an estimate, just over the years that the children would be in the household, of Dr. Khiabani's contribution to all this household work, to the household services.
Q. I don't recall if I asked you, Dr. Stokes, what was the statistical worklife -- or the statistical life expectancy of Dr . Khiabani? Not worklife, but life expectancy.
A. No, you didn't ask me that one.
Q. I'm looking at page 5 of your report right at the top.
A. Right. The normal life expectancy was 29 years.
Q. So he died April the 18th, 2017, and approximately 29 years short of his statistical average life expectancy?
A. That's right.
Q. Okay. Now -- sorry. I forgot that.

So you had explained household services, what it was. And how did your calculation for household services apply to Dr. Kayvan Khiabani specifically?
A. Well, if -- if he hadn't been killed, he would have been contributing some of the household services.

There's an adjustment in there. Some of the household services that he would produce, he would be using himself. So like we do with the personal consumption, there's a personal production adjustment or allowance. In other words, we take out the part that's -- an estimate at least. We take out a part of the total work that he does that he would be doing for himself. So that's a deduction.
Q. When you say "a deduction," do you mean, like, when the oldest boy, Aria, had gone off to
school, that somehow the household -- the value of his household services change?
A. Well, that -- that is the case because I stopped the analysis of household services when Keon becomes age 18, again. So, yeah, during a normal situation, you continue doing household services clear to the end of your life expectancy.
Q. And did you make a calculation to a reasonable degree of economic probability of Dr. Kayvan Khiabani's loss of household services?
A. I did.
Q. What was that, Doctor?
A. The total -- and this is net of the -- the production that he would do for himself -- has a present value of $\$ 53,673$.
Q. That's the total that -- that I placed the piece of paper underneath, my high-tech demonstrative.

You -- you got a present value of household services, and then -- of $\$ 67,319$, and then it looks to me like you reduced it by $\$ 13,646$ ?
A. Correct.
Q. And is that the reduction you explained to the ladies and gentlemen of the jury?
A. It is, yes.
Q. So what does that in total make the loss of

Dr. -- the present value of the total economic loss for Dr. Kayvan Khiabani?

MR. ROBERTS: Objection, Your Honor. May we approach?

THE COURT: Yes.
(A discussion was held at the bench, not reported.)

MR. CHRISTIANSEN: May I proceed, Your Honor? THE COURT: Yes.

BY MR. CHRISTIANSEN:
Q. I'm sorry, Doctor. Tell me again what the total was, for present value of the total economic loss of the life of Dr. Kayvan Khiabani.
A. The total of the two numbers that we've dealt with is $\$ 15,316,090$.
Q. And, Doctor, when you told the ladies and gentlemen of the jury that, on a yearly basis, you did reductions, did you make -- is one of the exhibits to your chart -- or to your report that annual reduction back to present value that you explained to us?
A. Yeah. In table page 1 of my report, all of the figures in there are in present value terms.
Q. Okay. And table page 1, I'm not going to spend any time on it, just to show that you actually did the calculation for each and every year --
A. Yes.
Q. -- up through his statistical life expectancy of 29 years?
A. Correct.
Q. And Table II is -- it looks to me -- a similar calculation for loss of household services up and to the time his youngest boy, Keon, would have matriculated at age of majority?
A. Correct.
Q. And, without spending any time on it, that just is reflected in Table II; fair?
A. It is.
Q. That's the 53,000 and change number?
A. Correct.
Q. Lastly, Doctor, help us understand a thing called a present value discount rate. What is that?
A. Well, the discount rate, that's the number that we talked about earlier. That's -- those are the figures that we use to bring everything to present value. That's the part that recognizes the earning power of money itself. It's based on United States Treasury issues.
Q. When you say "based on treasury issues," help me understand what it is you're talking about.
A. Well, we're looking at treasury bonds,
treasury bills, all the different elements in my reports. I use three-month, one-year, five-year, and ten-year types of certificates over a long period of time.

I take the average of those. I subtract out just the inflationary part of earnings -- or of the yield rates, and I look at a real yield rate. And in this particular case, the real yield that I use is just over a half a percentage point. In other words, by the time you get the interest, inflation eats all but just a little over a half a percent of that.
Q. Okay. And the discount rate you've used and the growth rate you've used, are those readily accepted discount and growth rates used by economists all over the country?
A. They are. We may use different time periods, we may use slightly different data sets, but the -- the procedure, the practice is standard.
Q. And have you seen a competing -- or an analysis by an economist hired by Motor Coach Industries that refutes or disputes any of your findings?
A. I have not.
Q. Are there economists available to be hired all over the country?
A. Oh, there are. Sure.
Q. And have all of your opinions today, including all placed in front of the jury, been rendered a reasonable degree of economic probability?
A. They have, yes.
Q. Based on 40-plus years of experience?
A. Yes.
Q. And hundreds of times testifying as an expert?
A. Yes.

MR. CHRISTIANSEN: That concludes direct examination.

Thank you, Your Honor.
THE COURT: Thank you.
Mr. Roberts?
MR. ROBERTS: Thank you, Your Honor. CROSS-EXAMINATION

BY MR. ROBERTS:
Q. Good afternoon, Dr. Stokes.
A. Afternoon.
Q. Lee Roberts. We met at your deposition?
A. We did, yes.
Q. Have you done any work on this case since your deposition last year?
A. No, I have not.
Q. Okay. So your opinions today are essentially the same as when you wrote your report and I was able to ask you questions about it?
A. Yes.
Q. As a preliminary matter, you told

Mr. Christiansen that this is most of what you do now, testifying in court and preparing litigation analysis?
A. More preparing and less testimony; but, yes, based on those -- those two functions.
Q. Okay. And in most lawsuits we've got a plaintiff, the people suing and asking for -- for money damages sometimes?
A. Yes.
Q. And then you've got the defendant who's defending the case?
A. Correct.
Q. Is it fair to say that just about 100 percent of your work is for plaintiffs, people seeking money damages?
A. Pretty close. 95 percent over the -- over the long haul.
Q. So when you told me in your deposition that it was 100 percent for plaintiffs, zero for defendant --
A. No, you asked me --
Q. -- that was just recently?
A. No, that's not right. You asked me about what -- in terms of testimony. In terms of testimony over the last five years, all of the testimony has been on plaintiff cases, none of it on defense.
Q. I understand. Thank you for clarifying that for me.

What I would like to start with is, initially, you told the jury that you included something for fringe benefits; correct?
A. Yes.

MR. ROBERTS: And, Pete, if I could display the portions of the same charts that you did.

MR. CHRISTIANSEN: No objection.
BY MR. ROBERTS:
Q. Let's see if I can get it up here.

Okay. So fringe benefits is this middle column; right?
A. Yes.
Q. Okay. And let's see if I can focus this thing. Okay. That's better.

So what year did you stop calculating fringe benefits as part of loss?
A. 2021 was the last year.
Q. And why did you say you stopped fringe
benefits at 2021?
A. That's the year when Keon became age 18.
Q. Okay. Now, Dr. Khiabani, had he lived, would have continued to earn fringe benefits as part of his employment; right?
A. Oh, yes.
Q. But because you were looking at fringe benefits that might be recoverable by the -- the boys as heirs, you stopped at age 18; is that fair?
A. I don't know if I'd put it quite that way, but, basically, I did it because, if you're having a fringe benefit -- these are monies you don't get to spend -- you have to have people that are receiving them. And if there are no more kids legally in the household, or statistically in the household, it seemed appropriate to stop the analysis on fringe benefits at that point.
Q. Okay. And as an economist preparing a report and analysis for litigation, you try to prepare it to a more-likely-than-not standard; correct?
A. Oh, sure.
Q. And that's why you use statistics instead of guessing what might happen; correct? Because once you pass the statistical average, it's not more likely than not going to occur; is that fair?
A. That's usually the case, yes.

MR. CHRISTIANSEN: Judge, can we approach
real briefly with Mr. Roberts?
THE COURT: Yeah.
(A discussion was held at the bench, not reported.)

BY MR. ROBERTS:
Q. Okay. Now that we've established why you cut off fringe benefits in 2021, I'd like to talk about household services if I could.

And do you have your report with you, sir?
A. I do.
Q. Okay. Do you recall what year you cut off loss of household services?
A. 2021 .
Q. So the same year you cut off fringe benefits?
A. I did.
Q. And explain to the jury why you cut off household services in 2021 even though, as you said, Dr. Khiabani, had he lived, would have continued to perform household services until probably his death.
A. Well, statistically, the children are gone in 2021 or sometime during that year. And so there's no one left in the household to provide these household services to. And so I stopped the analysis at that
same point.
Q. And just so the jury understands -- I know it can seem insensitive to ask about some of these issues. You understand my duty to do so in a case like this, though; right?
A. I do.
Q. Okay. When you said there's no one left in the household, at the time you prepared your report last year, was Dr. Katy Barin still alive?
A. She was.
Q. Okay. But in projecting that there would be no one left in the household in 2021 after the boys reached 18, you were aware that more likely than not she would not still be alive in 2021; correct?
A. Yeah. I was aware that she probably wouldn't be alive at a much earlier date, yes.
Q. Okay. And, in fact, I think 2018 was the date you had used in that time?
A. I did, yes.
Q. So what you're saying is, even though Dr. Khiabani would have continued to do things around the house, it would not be benefiting any other member of the household because he would be the only one in the household more likely than not; correct?
A. Correct.
Q. So if he's not more likely than not going to be providing services to the boys after they turn 18, you're not going to include that in the report as an economist; fair?
A. Correct.
Q. Now, of the $\$ 53,000$, the present value of the household services that you put in your report --
A. Yes.
Q. -- some of that would have gone to Dr . Barin before she passed; right?
A. Sure.
Q. Some of that would have gone to Aria Khiabani; correct?
A. Yes.
Q. And some to Keon Khiabani?
A. Yes.
Q. Did you break that down?
A. No, I didn't.
Q. Okay. Can you give the jury any guidance as to how they would divide that up if they were putting a separate number for household services to each of the plaintiffs in this action?
A. No, I really can't. The data that I used, it's not specific in terms of which sibling receives more. We know from some other studies that usually the
first sibling receives more monies than the second one, just like first kids receive a little bit more attention than the second one.

But in terms of the data that I used here,
there's no way of breaking it down. That other information is a totally different set of numbers, and you can't really bring the two together.
Q. Okay. Thank you, Doctor.

In the section of your report discussing value of household services, you indicate that you did not calculate the actual hour -- use the actual hours of household services performed by Dr. Khiabani prior to his death as part of your analysis; right?
A. No. Again, it's -- it's a statistical level.
Q. Okay. And you write, "Since most family members do not record the amount of time they allocate toward various types of household work, data from the American Time Use Survey are used to estimate the time spent on household work; right?
A. That's right.
Q. So you used a statistical average?
A. I did.
Q. And how many hours per week was that? Do you recall?
A. It varied from a high of 1,340 hours per year
down to 820 -- 829 hours per year.
Q. So that's what it varied by, but what did you use? You didn't use --
A. Well, I used a different one for each year.
Q. Okay. Very good.

And was that more or less 27 hours a week on average?
A. I didn't look at it that way, but if you say, I would agree. But let me take a look.
Q. You can double-check my math. I'm a lawyer, not an economist.
A. Well, it goes 16 to $\$ 25$, yes.
Q. Okay. Now, although in your report you said you used statistics because people don't particularly record their household services, you told Mr. Christiansen that you have your client fill out a questionnaire to assist you in your analysis; is that right?
A. Yes.
Q. And, in this case, did -- did Dr. Barin fill out the questionnaire before she passed?
A. She did.
Q. And, in that questionnaire, did you ask

Dr. Barin to estimate the amount of household services provided by the deceased person prior to his death?
A. I did, yes.

MR. ROBERTS: Permission to display to the jury, Pete?

MR. CHRISTIANSEN: No objection.
MR. ROBERTS: I should have asked you, Your Honor, permission from you.

THE COURT: Yes.
BY MR. ROBERTS:
Q. All right. Okay. Is this the page where you asked Dr . Barin to estimate household services performed by Dr. Khiabani during his lifetime?
A. It is, yes.
Q. And two to three hours per week for inside maintenance and repair; correct?
A. Yes.
Q. Four hours per week for shopping and consumer purchases?
A. Yes.
Q. And eight hours per week for transportation for household members?
A. Correct.
Q. So that's about 14,15 hours?
A. It is.
Q. And that's less than the statistical averages you used?
A. It is.
Q. And Dr. Barin didn't indicate that

Dr. Khiabani spent any time cleaning; correct?
A. Correct.
Q. No time meal preparation?
A. Yes.
Q. No time caring or helping household members?
A. That's correct.
Q. Okay. Did you factor this in any way into your analysis, or did you just use statistical averages?
A. No, I just used the statistical averages.
Q. Let's move on to your calculations of loss of income, the economic loss that you just went through.

Is it fair to say that Mr. Kemp requested that you estimate the present value of the loss of earnings income and fringe benefits resulting from the death of Dr. Kayvan Khiabani?
A. Yes.
Q. Okay. Were you ever asked to estimate the loss of probable support to either Dr. Barin before she passed, to Aria Khiabani, or to Keon Khiabani?
A. No, I was not.
Q. And you rendered no opinion on that; is that correct?
A. That's correct.

MR. ROBERTS: Your Honor, can I move the -the flip chart over?

THE COURT: Yes.
MR. ROBERTS: Thank you.
BY MR. ROBERTS:
Q. Here -- okay. If you could get out for me the table that you referred to during your direct examination where income and personal consumption is shown on year-by-year basis.
A. (Witness complies.)

THE COURT RECORDER: Counsel -- Counsel, you have to put the microphone on.

MR. ROBERTS: Oh, sure. Am I not picking up? BY MR. ROBERTS:
Q. Okay. Doctor, first of all, you stated that you used 2016 income as sort of a base.
A. Yes.
Q. Is that fair?
A. Yes.
Q. And do you have the W-2 income for 2016 for Dr. Khiabani?
A. That's that $\$ 990,000$ figure that we started with. 900 -- I'm sorry -- \$990,503.
Q. 990,503; is that correct?
A. Yes. Yes.
Q. Okay. And 2018 would be the first full year after Dr. Khiabani's death; right?
A. Correct.
Q. What did you project Dr. Khiabani's income would have been in 2018 had he lived?
A. Be about $\$ 1,013,998$.
Q. $1,013,000$ ?
A. Yes.
Q. Okay.
A. Well, almost 14,000. It was 998,000.
Q. And for 2018, what did you calculate Dr. Khiabani's personal consumption to be, the amount he would have spent on himself?
A. About -- let's see -- $\$ 83,148$.
Q. In your report -- and I think in your deposition -- you said that, statistically, people spend somewhere between about 8 percent and 34 percent of their income on themselves; right?
A. Well, not everybody. But in the income bracket where Dr. Khiabani was and with the number of people in the household, yes, the bottom end was the 8.2 percent that you mentioned.
Q. Okay. And you used the bottom end; correct?
A. Well, for this particular year that you
asked, yes. The next year, it roughly doubles.
Q. And it doubles because, at that time, you factored out that Dr . Barin would no longer be in the household; right?
A. That's correct.
Q. Now, is it fair to say, Doctor, that individuals can be, you know, the earners and spenders? Some people earn a lot but spend a lot?
A. Sure.
Q. And some people earn a lot and save a lot; right?
A. Yes.
Q. You did not make any effort to determine how much Dr. Khiabani actually spent on himself out of his own income; is that correct?
A. That's correct.
Q. Okay. And you don't know if he was a big spender or not; right?
A. I don't.
Q. Okay. You know how much he paid for his bicycle?
A. No. I have no idea.
Q. Okay. Is -- $\$ 3,500$ for a bicycle, does that indicate a big spender or a saver?
A. It would be a pretty good bicycle.
Q. Now, you said that you deducted personal consumption from lost income; right?
A. Yes.
Q. And if you -- you did that, that would be over $\$ 900,000$ available in 2018; right?
A. Yes.
Q. Okay. Now, you weren't telling the jury that, if the doctor had lived, he would have given $\$ 900,000$ to his sons, are you?
A. No.
Q. Okay.

MR. ROBERTS: Your Honor, may I approach?
Out of an abundance of caution.
THE COURT: Certainly.
(A discussion was held at the bench, not reported.)

THE COURT: We're just going to take about a five-minute recess, but I'd like the jury to remain. You can stand up, move around if you need to.

THE MARSHAL: Please remain seated. Court is in recess five minutes.
(Whereupon a short recess was taken.)
THE MARSHAL: Please be seated. Come to order. Department 14 is back in session.

THE COURT: Counsel, please approach.
(A discussion was held at the bench, not reported.)

THE COURT: You may proceed, Mr. Roberts.
MR. ROBERTS: Thank you, Your Honor.
BY MR. ROBERTS:
Q. Okay. We were putting a few sample numbers up here for the jury, Dr. Stokes.

And in 2018, you assumed that -- that Dr. Barin would -- would still be alive; correct?
A. I did.
Q. Okay. But, as you know, she passed before 2018?
A. Oh , yes.
Q. Okay. And that doesn't change -- does that change part of your analysis?
A. It would have, sure.
Q. And the personal consumption number would have -- would have gone up?
A. The personal consumption would have gone down with one more person in the household. And so the -the consumption that would be allocated to Dr. Khiabani to Kayvan would be less.
Q. Okay. So maybe I'm confused. Is this 83,000 the number in your report?
A. No.
Q. So the number in your report -- could you double-check personal consumption in the chart attached to your report.
A. What you need to -- to consider is you are asking me now in terms of what the numbers would have been, the estimated earnings, the estimated -- you know, just on the basis of -- of the numbers. All the things that you're looking at in this chart are in present value. So there's another adjustment that's not included in the numbers that -- that we just derived.
Q. Your report indicates the present value of personal consumption in 2018 would be how much?
A. It's present value here. $\$ 82,829$.
Q. And you assumed that Dr . Barin would still be alive at the time you prepared these numbers?
A. I did.
Q. The 2019 numbers, what did you have the present value of Dr . Khiabani's personal consumption?
A. $\$ 164,058$.
Q. Okay. So at the time you did the report, you assumed that, when Dr. Barin passed, Dr. Khiabani's personal consumption would go up by about half? Double.
A. Yeah. There are two things happening. One
of the children has become age 18 as well, so it's -it's a double whammy in this year between 2018 and '19. It's not just because of the absence of Katy Khiabani.
Q. Okay. Now that you know Dr. Barin passed a year earlier, you would want to make an adjustment to your report; right?
A. You could, sure.
Q. Okay. But the numbers you have there are off a little?
A. Sure.
Q. Okay. But you also made an adjustment to personal consumption when the children were soon to move out of the house; right?
A. I did.
Q. Why do you assume that personal consumption of Dr . Khiabani would go up when the children left the house at 18?
A. Well, the fewer number of people in the house to spread the earnings over, then the consumption moves in a commensurate way.
Q. Because Dr. Khiabani can't be assumed, more likely than not, to continue supporting his children after they're 18; right? At the same levels.
A. You know, I don't know about that, but in terms of the consumption that we do in one of these
analyses, the assumption is always that the kids leave the home. And that doesn't come out in terms of support necessarily. So, yeah, I guess that's -- what you say is correct.
Q. Okay. Thank you. What year did you assume that Dr. Khiabani would retire at age 69?
A. You know, it's a little different for retirement. The end of the worklife expectancy, that could be different than a retirement age. When he would actually retire, we really don't know. But that average, it's a combination of the desire to retire, the necessity to leave the labor market, a number of different things. So it's not just -- it's not just my assumption of would he have retired, but if you leave -- would he leave the competitive labor market for whatever reason. That's the end of the worklife expectancy.
Q. And you used age 69?
A. It was, yes.
Q. And is that a statistical average for when professionals -- that's the end of their worklife as a professional?
A. Well, if you start out at his age at the time of the analysis, the worklife expectancy is there.

Now, as you become older, the worklife expectancy moves out a little bit, but not, you know, one-to-one basis.
Q. Because if you managed to keep working another year, then you may be a little ahead of the curve?
A. You may be, yes.
Q. But at the time that you did the analysis, based on his age at the year of his death, the statistics say, more likely than not, he's going to stop working at age 69?
A. Correct.
Q. And I believe Mr. Christiansen asked you if some occupations maybe have a longer worklife than others?
A. Sure.
Q. And you used a professional standard, not everyone, but what's the average work expectancy of a professional; right?
A. I did.
Q. And if there are specific worklife expectancies for surgeons, you didn't use that?
A. You know I've never -- I've seen some limited studies on some professions. They're really limited, and I wouldn't count on them for, you know, universal validity.
Q. Okay. So very limited and, I think, probably not reliable enough to meet the more-likely-than-not standard, to a reasonable degree of economic certainty; right?
A. That's right.
Q. All right. Very good.

So when the jury's applying a more-likely-than-not standard, if they reach the issue of damages, they -- they stop at 69 for when they're looking at lost income because, more likely than not, based on the statistics, that's the last year he works; correct?
A. I didn't understand your whole question, but the last part is true, yes.
Q. So -- but you continue to put income in your report after, statistically, he's not going to be working; correct?
A. Correct.
Q. And what is the income before reduction of present value for the first year? Say, when he's age 70.
A. It's in real terms $\$ 382,823$. And that would be for 2036.
Q. So your report indicates that he's going to have income of 382,000 a year but he's not going to be
working.
A. Correct.
Q. Okay. And did you say that he -- that income could be coming from savings that he managed to put away in his prior income earning years?
A. Sure.
Q. Okay. And then his personal consumption is going up at that point about what? 34 percent?
A. It is.
Q. Okay. So 34 percent of the 382 , you're saying is -- would be personal consumption. You're subtracting that and you come up with a new number.

You're not here to tell the jury that's the number that would go to the boys, are you, as a matter of law?
A. No, I'm not making that.
Q. And that's beyond the scope of your report;
right?
A. It is.

MR. ROBERTS: Okay. Thank you very much, Doctor. I appreciate it.

REDIRECT EXAMINATION
BY MR. CHRISTIANSEN:
Q. Doctor, you sat through 40 minutes of questioning by Mr . Roberts. Did any of those questions
change your conclusions?
A. No.

MR. CHRISTIANSEN: Judge, may I move the tripod back?

THE COURT: Yes.
THE MARSHAL: Got it.
MR. CHRISTIANSEN: Hope so. Thank you.
BY MR. CHRISTIANSEN:
Q. Have you found in your time, Doctor, doing litigation that sometimes lawyers conflate issues?
A. Lawyers do what?

MR. ROBERTS: Objection, Your Honor.
THE COURT: Sustained.
BY MR. CHRISTIANSEN:
Q. Well, let me ask it to you directly.

Mr. Roberts voiced some complaints about your calculations relative to your assumption that Katy was going to live to the year 2018.
A. Yes.
Q. And you told the jury, you know, I was wrong; she passed in 2017.
A. Yes.
Q. That assumption that she lived to 2018 inured to the benefit of the defendant in your calculation, did it not?
A. It did.
Q. So he's complaining about you saving his client money?
A. It appears that that's the case, yes.
Q. Okay. And he talked about -- he showed you this chart where Katy -- this chart was completed, it looks to me, to be August the 10th of 2017?
A. Yes.
Q. If I told you Katy Barin passed away 58 days later, would you have any reason to disagree with me?
A. I would not.
Q. And so 58 days from pass, and she filled out a chart that Mr. Roberts wants to take issue with the amount of time she attributed to her husband working around the house?
A. It appears that that's the case, yes.
Q. Okay. Did Mr. Roberts or MCI hire an economist to come in here and give alternative theories?
A. Not to my knowledge, no.
Q. And how many cases have you been in in litigation?
A. Several thousand.
Q. And on virtually every one, does the other side have an economist?
A. No, but in a good number, you certainly do see other economists on the other side. I work sometimes on defense as well.
Q. And you heard some questions about "Are you here to tell the people on the jury what Dr. Khiabani would have provided for his children?"

Remember those questions?
A. Yes.
Q. You're not here to say one way or another how much time he devoted or love he had for his children or money he would spend; correct?
A. That's correct, yes.
Q. That's the jury's job.
A. I believe so.
Q. And when you have Dr. Khiabani statistically ending his worklife at age 69, that presupposes he's not able to work past it; correct?
A. Well, it -- that's a little bit strong. All it does is it supposes that he's not in the labor market for whatever.
Q. For example, lawyers are in that profession -- or in that; right?
A. Yes.
Q. We look over here, Mr. Barger is older than 69. He's working full-time, isn't he?
A. I don't --

THE WITNESS: Do you work full-time?
MR. BARGER: Half.
BY MR. CHRISTIANSEN:
Q. He's working full-time in here.

And your assumption benefited the defendant;
correct?
A. Well, the worklife expectancy I used, that was the statistical level for the age of a professional at the time of the analysis.
Q. Were there any criticisms of your total number of 15-plus million?
A. No.

MR. CHRISTIANSEN: Nothing else. Thank you.
MR. ROBERTS: Nothing further, Your Honor.
THE COURT: Anything from the jury?
THE MARSHAL: Yes, Your Honor.
THE COURT: Oh, we do? Okay.
(A discussion was held at the bench, not reported.)

THE COURT: All right. We have a question from the jury.

THE WITNESS: Sure.
THE COURT: All right. The first question is "With the projections, are we taking into consideration
of where children would go to college (in regards to personal consumption)?"

THE WITNESS: No, we're not. I mean, we know that there's some costs associated with that, but, like I said, the government data indicate that the children are no longer a part of the household after age 18. And so don't look at the -- don't look at the cost of college at all in my analysis.

THE COURT: Okay. And the second question is not going to be asked because of the answer to the first question.

Thank you very much.
THE MARSHAL: Any other questions?
THE COURT: Do you have any follow-ups?
MR. ROBERTS: No, Your Honor.
MR. CHRISTIANSEN: No, Your Honor.
THE COURT: Any other questions from the jury?

All right. I think that's a no. Right?
Okay. You're excused. Thank you very much.
MR. ROBERTS: Your Honor, we were going to -may we approach?

THE COURT: Yes.
(A discussion was held at the bench, not reported.)

THE COURT: All right. We were going to take a ten-minute break.

And I'd like you to wait, please. Okay. THE WITNESS: Okay.

THE COURT: Ladies and gentlemen, you're instructed not to talk with each other or with anyone else about any subject or issue connected with this trial. You are not to read, watch, or listen to any report of or commentary on the trial by any person connected with this case or by any medium of information, including, without limitation, newspapers, television, the Internet, or radio.

You are not to conduct any research on your own relating to this case, such as consulting dictionaries, using the Internet, or using reference materials.

You are not to conduct any investigation, test any theory of the case, re-create any aspect of the case, or in any other way investigate or learn about the case on your own.

You are not to talk with others, text others, tweet others, google issues, or conduct any other kind of book or computer research with regard to any issue, party, witness, or attorney involved in this case.

You're not to form or express any opinion on
any subject connected with this trial until the case is finally submitted to you.

We're going to take a 15-minute break, and I would like you to stay on this floor, please.

THE MARSHAL: All rise. Follow me this way, please.
(The following proceedings were held outside the presence of the jury.) THE MARSHAL: Please be seated. Come to order.

THE COURT: Okay.
MR. BARGER: Do you want the witness?
MR. ROBERTS: No. We've got to keep him.
We're going to put on the income tax after the presence; then the Court's going to decide later.

THE COURT: Will there be another issue we need to take before the next witness? That's why I gave them five more minutes.

We're on the record now.
MR. ROBERTS: Okay. Your Honor, may I proceed to make a proffer outside the presence of the jury?

THE COURT: Yes.
MR. ROBERTS: Thank you, Your Honor.
Let me get my chart again, Dr. Stokes.

OFFER OF PROOF
BY MR. ROBERTS:
Q. Okay. A few minutes ago when we were talking, you told me that the year 2016 was the base year that you used for your calculations; correct?
A. Correct.
Q. And you gave me an income number of $\$ 909,503$; right?
A. Correct.
Q. Okay. Did you have Dr. Khiabani's w-2 from the board of regents at the time you did your report?
A. Not sure. What's -- for this year? For 2016?
Q. For 2016.
A. I must have, yes.
Q. And I'm going to show you a copy of the $\mathrm{W}-2$ for 2016 from your work file that you provided in this matter.

Does this W - 2 indicate the total reported income from the board of regents?
A. It appears to, yes.
Q. And what is the amount of that income as reported on the $\mathrm{W}-2$ ?
A. $\$ 990,503.12$.
Q. Okay. So is it fair to say that the number
that you previously gave to the jury as the base number for calculations was a gross income number?
A. Yes.
Q. Okay. It was before taxes?
A. Yes.
Q. Okay. And does the W-2 indicate the amount of taxes that were withheld before the money was paid to Dr. Khiabani?
A. It shows -- it shows reductions, yes.
Q. Okay. And what -- what's the amount of tax up on that top line, "Federal tax withheld"?
A. 300 -- pardon me. $\$ 332,302.91$.
Q. Okay. So is it fair to say that the amount of income that Dr. Khiabani was receiving throughout the year was his gross income of 952 and some change less the taxes, or approximately just -- \$619,777?
A. I'll take your word for it.
Q. Okay. Sounds about right?
A. It does.
Q. You work with numbers a lot. I got close. Now, we know that the amount withheld isn't the amount finally paid. Even though that's the amount he would have had in his hand that year, he would have had an opportunity to file tax returns and either get some back or pay extra; right?
A. Yes.
Q. And you have the 2016 income tax returns in your file showing the actual amount of tax paid by Dr. Khiabani's family; correct?
A. I believe that's the case, yes.

MR. ROBERTS: If I could approach, again, Your Honor?

THE COURT: Certainly.
MR. ROBERTS: Thank you.
BY MR. ROBERTS:
Q. Here's one page from the 2016 tax return showing the summary of the total income to the family and the total amount paid. Do you see that?
A. Yes.
Q. And am I correct that that's just a little bit over 35 percent of the gross income that the Khiabanis paid in taxes?
A. Looks like it, yes.
Q. Okay. So the amount withheld from taxes is actually a little less than the actual tax Dr. Khiabani had to pay; right?
A. For 2016, yes.
Q. Okay. So we can use that number as a pretty safe number of the maximum amount he would have had to spend after he paid his federal taxes?
A. For that -- for -- yes. For 2016?
Q. Okay.
A. Correct.
Q. And Mr. Christiansen said that it's up to the jury to determine how much he would have provided to his children in lost support; correct?
A. I believe so, yes.
Q. All right.
A. Oh, yes, he did.
Q. He couldn't have given his children any more than he had left in his pocket after he paid his federal taxes, could he?
A. Not in any current sense, no, he could not.

MR. ROBERTS: Okay. Thank you very much
Doctor.
That's all I have, Your Honor. I appreciate the opportunity.

THE COURT: Okay. Thank you.
Mr. Christiansen, anything? Okay.
Thank you very much. You're excused. Thank you.

MR. KEMP: Mr. Stokes is excused?
THE COURT: Yes, he's excused.
I'm going to start using my mic. I'm also too soft-spoken at times. All right.

It was my understanding that before -- it's Mr. Hubbard next; correct?

MR. CHRISTIANSEN: Yes, Your Honor, Mr. Hubbard is next.

THE COURT: Okay. And there's something counsel wanted to discuss?

MR. HENRIOD: Yes, Your Honor. Joel Henriod.
We just want to make sure we don't cross a line, and we think the -- we understand the Court's order on contributory negligence -- or I'm sorry -- on the comparative negligence of Mr . Hubbard or any third parties deferred the decision on what could be asked in terms of bias.

Perhaps I'm wrong. We're just asking for clarification. Here's what we want to do.

THE COURT: Okay.
MR. HENRIOD: We want to go with him into the fact that he was being personally blamed for this death. That goes to his motive to deflect responsibility, and I even think we should be able to get into the fact that at that point he had been sued because the interest in self-exoneration only becomes higher when that's the case.

And I don't think the fact that the case has settled needs to come in or is even relevant because at
this point he has an incentive to testify consistently with what he said before. We know that whoever is -he's likely going to be asked, "Isn't this what you said in your deposition and is that your testimony today?"

So he had a bias to protect himself when he testified before, and he has an incentive to testify consistently with that today to avoid being accused of perjury. And I don't think that we have to get into either the existence of settlement or the amount of settlement to be able to do that.

Thank you.
MR. KEMP: Well, Judge, the damage is done when they say the plaintiff --

THE COURT: Speak louder, please.
MR. KEMP: Your Honor, they want to say to the jury, "The plaintiff sued you and blamed you for this accident."

That is exactly what is precluded by the motion in limine. And, you know, oh, sure they don't want to say it settled and it's over. They don't want to say that. They want to say the ultimate sin, that the plaintiffs took the position that he was at fault. And the only reason they're doing that is to try to impute some negligence that's foreseeable -- Court's
already ordered -- on the part of the driver.
So none of that should come in. None of that should come in. He's a settled defendant. Our case law is crystal clear that they can't say anything about a settled defendant. Can't say he settled and certainly can't say you sued him first.

So for that reason, Your Honor, we would vehemently object to this. I'm glad they brought it up because I would have been ballistic if they started asking these questions in front of the jury.

And, you know, with regards to motive to deflect and personally blame, you know, any time a driver's in an accident, you know, you can argue that they were worried about being personally blamed.

But what they want to do is go farther than that and say that we sued them to get into the negligence issue, Your Honor, and I am vehemently against that.

MR. HENRIOD: I don't have anything to add to the point I've already made or the briefing that's been submitted.

THE COURT: Okay. Mr. Henriod, I'm glad you asked about this now because, consistent with my orders, and also even before that came up, I think I had discussions about not discussing -- that there had
been other parties that were involved in this litigation before. So -- so I do not want that to be asked. I don't think it's -- I think it's more prejudicial than probative, and I think that's a problem.

MR. HENRIOD: Okay. And then that extends even just to -- to being blamed at all?

THE COURT: Yes. There's -- I -- I -there's an order that's very clear that comparative or contributory negligence is -- specifically the driver is not to be discussed.

MR. HENRIOD: Very well, Your Honor. Thank you.

THE COURT: Thank you.
MR. KEMP: Your Honor, I was in the room --
THE COURT: Excuse me. Just for the record, Mr. Henriod, that has to do with the consumer expectation test? No. Let me think right now. Strict liability and product defect and so forth.

MR. HENRIOD: Okay.
THE COURT: Okay. I just wanted to make sure I -- I stated that.

MR. KEMP: Your Honor, what time was the jury coming back?

THE COURT: 3:00 o'clock. Do you want to
take a quick break?
MR. KEMP: Yeah.
THE COURT: Okay. Yes. Thank you.
(Whereupon a short recess was taken.)
THE MARSHAL: Please remain seated. Come to
order. Department 14 is back in session.
THE COURT: Ready for the jury?
MR. CHRISTIANSEN: Can I have just one
second, Your Honor?
THE COURT: We are off the record.
(Whereupon a short recess was taken.)
THE COURT: Ready?
THE MARSHAL: Yes, whenever you are.
THE COURT: Mr. Christiansen, are you ready?
MR. CHRISTIANSEN: One quick second.
THE MARSHAL: All rise.
(The following proceedings were held in the presence of the jury.)

THE MARSHAL: All the jurors are present, Your Honor.

THE COURT: Okay. Welcome back, ladies and gentlemen.

THE MARSHAL: Please be seated. Come to order.

THE COURT: Do the parties stipulate to the
presence of the jury?
MR. KEMP: Yes, Your Honor.
MR. ROBERTS: Yes, Your Honor.
THE COURT: Thank you.
Plaintiffs, please proceed.
MR. CHRISTIANSEN: Plaintiff calls Edward Hubbard.

Can I approach while he's coming up, Your
Honor?
THE COURT: Yes.
(A discussion was held at the bench, not reported.)

THE MARSHAL: Watch your step, and step up there. And you're going to raise your right hand.

THE COURT: Okay. Please swear --
MR. CHRISTIANSEN: May I proceed, Your Honor? Oh, I'm sorry. You got to swear him in first, I guess; right?

THE CLERK: You do solemnly swear the testimony you're about to give in this action shall be the truth, the whole truth, and nothing but the truth, so help you God?

THE WITNESS: I do.
THE CLERK: Thank you. Please be seated. And please state and spell your name.

THE WITNESS: Edward Hubbard; E-d-w-a-r-d, $\mathrm{H}-\mathrm{u}-\mathrm{b}-\mathrm{b}-\mathrm{a}-\mathrm{r}-\mathrm{d}$.

THE CLERK: Thank you.

## DIRECT EXAMINATION

BY MR. CHRISTIANSEN:
Q. Mr. Hubbard, what is it that you do for a living, sir?
A. I'm a bus operator.
Q. And do you work here in Las Vegas?
A. Yes.
Q. How long have you operated buses?
A. Since 1997.
Q. Where did you -- at what point in time did you come here to Las Vegas?
A. Two years ago next month, April.
Q. April the 18th, 2016?
A. April 9th, 2016.
Q. Okay. Were you operating a bus April 18th of 2017?
A. Yes.
Q. And who were you working for? Who -- who is your employer?
A. Michelangelo.
Q. What were you doing that day, sir?
A. I was operating --
Q. Do you have a cell phone in your jacket?

THE COURT: You need to speak louder.
THE MARSHAL: Do you have a cell phone?
Someone have a cell phone near the mics?
Not sure, Your Honor.
THE COURT: You need to speak a little bit
louder, please, sir.
THE WITNESS: Yes.
THE COURT: Thanks.
Go on.
BY MR. CHRISTIANSEN:
Q. I think the last thing I asked you was who were you employed by, and you told me Michelangelo?
A. Yes.
Q. Okay. Since 2016?
A. Yes.
Q. Prior to that, where did you work and what did you do?
A. New York City Transit Authority in New York City.
Q. And what did you --
A. Bus operator.
Q. You were a bus operator for the transit authority in New York City?
A. Yes.
Q. And when did you begin that occupation, Mr. Hubbard?
A. November of 2004.
Q. When was it that you obtained your commercial driver's license?
A. 1997. I don't know the exact month, but 1997.
Q. And if I refer to your commercial driver's license from this point forward as a CDL, will you know what I'm talking about?
A. Yes, sir.
Q. That's sort of the shorthand for a commercial driver's license?
A. Yes.
Q. Okay. What time -- what was your shift back in April of 2017? What time did you get up and go to work?
A. I was -- I think our yard time was 10:00 a.m. I'm really not sure at that time of the -- but I think 10:00 a.m. I had to pick up at the McCarran Airport.
Q. Okay. So you had to get to work at the yard sometime before 10:00 if you needed to be at McCarran at 10:00?
A. Correct.
Q. What time do you think you got to the yard that morning?
A. Would probably be about 8:30, 9:00 o'clock.
Q. So the ladies and gentlemen of the jury are sort of oriented into what part of town the yard is, you work out sort of off of Craig Road and the 15? That's where the yard is?
A. Yes, North Las Vegas.
Q. Near, like, Republic Services, which is more west?
A. Yes.
Q. That's where the buses stay?
A. Yes.
Q. What did you do that morning when you got to work?
A. I got to work, checked in, got my paperwork, saw which bus I had, went and pretripped my bus, turned my paperwork in saying that $I$ had pretripped my bus, and went to McCarran Airport.
Q. What were you supposed to do that day, Mr. Hubbard? What was your job -- your drive and pickup and drop-off?
A. Right. I was taking some customers from McCarran Airport to Red Rock Casino -- Hotel \& Casino.
Q. I assume they were tourists?
A. I'm not sure.
Q. Okay. Was this your first run of the day?
A. Correct.
Q. The morning run?
A. Correct.
Q. And what time -- I think you said maybe about 10:00 o'clock, you were supposed to pick up the folks at McCarran Airport?
A. Somewhere around there, yes.
Q. And what kind of bus were you driving?
A. MCI.
Q. A Motor Coach Industries 2008 J4500?
A. Sounds about right.
Q. Okay. Had you driven that bus before?
A. Yes, sir.
Q. Have you driven that bus since, or a bus like that since?
A. A bus like that since? Absolutely, yes.
Q. Okay. What route would you have taken from the yard to McCarran Airport?
A. What route would I have taken? The 215 to Charleston and to Red Rock.
Q. You got ahead of me a little bit.

So you went from the yard out at --
A. You said from the yard to where?
Q. The yard to McCarran Airport.
A. Oh, from the yard to McCarran. Just the 15 to Trop, and then Trop to McCarran.
Q. And I gather you picked up some persons at McCarran Airport?
A. Correct.
Q. From out of town?
A. Yes.
Q. About how many passengers did you pick up?
A. I believe it was 18 people.
Q. That got on this MCI J4500?
A. Correct.
Q. And you were the operator?
A. Yes.
Q. And you're supposed to take them to where?
A. Red Rock Hotel \& Casino.
Q. Is that the hotel and casino up off of West

Charleston?
A. Yes.
Q. If I turn you to the map to your right we all have been using -- I actually have a better aerial, if I could show it, put up on the overhead.

If this here, Mr. Hubbard, is the Red Rock
Casino and this is Pavilion Center and this is Charleston, are you sort of --
A. Yes.
Q. Are you oriented in space as to where everything was?
A. Yes.
Q. So you would have left McCarran, gone sort of around the southwest part of town to the Charleston exit just west of the Red Rock Casino somewhere off the map up here by my finger?
A. Yes.
Q. What did you do then? Just tell the ladies and gentlemen of the jury what route you took from that point forward.
A. I proceeded up to -- up Charleston to South Pavilion, and I made a right on South Pavilion.
Q. Okay. And so the record's clear, when you say you proceeded up, you were going eastbound on Charleston from the 215; is that right?
A. I'm not familiar with the north, south, and east.
Q. If you think about the mountains out there being on the west side of town, you were driving away from the mountains, away from Red Rock Canyon down towards the casino?
A. Yes.
Q. If I tell you that's east, you believe me?
A. We're under oath, so I believe you.
Q. Okay. And you proceeded down eastbound on Charleston. And I think you told us you made a right on -- I did it the wrong way -- eastbound on Charleston, you made a right on Pavilion Center?
A. Yes.
Q. So you would have been heading southbound?
A. Yes.
Q. When you were on Charleston, did you observe a cyclist?
A. Yes.
Q. And see that map down, Mr. Hubbard, to your right? It's a little more of a close-up view. Can you see Charleston there on the right of the map and Pavilion Center sort of going across the middle?
A. Yes.
Q. And if I gave you a sticky -- if I can find one -- could you put on that map on Charleston where your bus would have been when you think you first observed the bicycle.

With the Court's permission?
THE COURT: Go on.
THE WITNESS: Where I was; correct?
BY MR. CHRISTIANSEN:
Q. Yes, sir.
A. (Witness complies.)

THE COURT: For the record, will you please describe that.

MR. CHRISTIANSEN: Sure.
BY MR. CHRISTIANSEN:
Q. So you placed the -- the Post-it just west of the Pavilion Center intersection and eastbound Charleston?
A. Right.
Q. And that's where you were driving the MCI J4500 when you first observed the cyclist?
A. Yes.
Q. And --

MR. BARGER: May I make a suggestion? Pardon me. Can we write "bus" on that?

THE COURT: Yes.
MR. CHRISTIANSEN: Is that okay with the
Court if I write that?
THE COURT: Yes. Absolutely.
BY MR. CHRISTIANSEN:
Q. And was the bicyclist in the designated bicycle lane?
A. Yes.
Q. What, if anything, happened next? What did you observe next?
A. I proceeded to make my right turn onto South Pavilion.
Q. Before you turned right, did you have a chance to observe the cyclist turn right onto southbound --
A. Yes.
Q. -- Pavilion Center?
A. Yes.
Q. It's not like normal conversation when we're in a courtroom. So I have to wait for you to finish your answer. If you'll wait for me to finish our question so -- the court reporter has a tough time if we both talk. Okay?
A. Yes.
Q. Okay.

So you -- you did observe the bicyclist turn south onto southbound Pavilion Center?
A. Yes.
Q. After he turned right, or southbound, did you turn right?
A. Correct.
Q. And was the cyclist still in front of you at that point?
A. Yes.
Q. And was the cyclist still in the marked
bicycle lane on South Pavilion Center?
A. Yes.
Q. And you -- which lane -- there are two travel lanes we can see on that map there to your right.

Which lane were you in?
A. I was in the -- I was in this lane right here (indicating).
Q. Is that the lane closest to the bicycle lane?
A. Yes, it is.
Q. Or closest to Red Rock Casino?
A. Yes.
Q. So it would be the most western -- it would be the most western southbound lane, the one immediately adjacent to the bicycle lane on South Pavilion Center?
A. Yes.
Q. And do you see that little cutout there on the map to your right, sir --
A. Yes.
Q. -- on South Pavilion Center?

Do you know what that is?
A. I believe that's for the city bus.
Q. Okay. Is that about the -- the spot where you went past or overtook the bicycle?
A. Yeah. Yeah, on -- a little bit after that,
right near that area. Right.
Q. So between the time the bike -- you turn on Pavilion Center and the time you pass the bicycle at the city cutout, is the bicyclist always in the bicycle lane?
A. Yes.
Q. And are you always in your -- the westernmost southbound lane?
A. Yes.
Q. And from -- well, let's just say from the city cutout all the way to the intersection at Griffith Peak where the incident takes place, do you stay -- up until the moment of the incident, do you stay in that same lane?
A. Yes.
Q. Okay. Do you ever see the bicyclist before -- the cutout there north of the intersection, the city transit bus stop, from the time he turns south, do you ever see him leave the bicycle lane?
A. No -- no.
Q. All right. You pass him without incident at the city cutout?
A. Correct.
Q. And then do you remember having your deposition taken, sir?
A. Yes.
Q. Do you remember having this big map with all the -- look, we painted the bike since last time you were here -- with the bus and the bike? And this gentleman, Mr. Kemp, asked you lots of questions. Do you remember that?
A. Correct.
Q. And had you place the bus in a variety of places relative to your memory of that day, April the 18th, 2017.
A. Yes.
Q. Okay. We've had those photos marked as plaintiffs' proposed -- proposed 230 through 237.

MR. CHRISTIANSEN: And I don't believe there's an objection to their admission, Your Honor.

MR. BARGER: If they're being offered, I have no objection.

MR. CHRISTIANSEN: They're being offered.
THE COURT: Okay. That's fine. (Whereupon, Plaintiffs' Exhibits 230 through 237 were admitted into evidence.)

MR. CHRISTIANSEN: Thank you, Your Honor.
That was 230 through 237 are admitted, Judge?
Are they admitted?

THE COURT: Yes, they are admitted.
There's no objection; correct?
MR. BARGER: No objection, Your Honor.
THE COURT: Okay. You may approach.
MR. CHRISTIANSEN: May I have permission to publish, Your Honor, as I question Mr. Hubbard?

THE COURT: Yes, you may.
BY MR. CHRISTIANSEN:
Q. Now, Mr. Hubbard, the map that you put the Post-it on up there to your right is a bit further back than this big giant to-scale map we've got down here in front of jury; is that fair?
A. Yes.
Q. The to-scale map doesn't show the city bus cutout. Do you remember that?
A. I do.
Q. And when -- showing the jury Exhibit 230.

When Mr. -- at your deposition that was held on September the 20th, 2017 -- does that sound about right to you?
A. Yes.
Q. You were first asked to place the bus at that initial yellow line on the giant map. And you placed it about -- well, I can't do it all the way because it will fall off. But you placed it somewhere about
there, recognizing that I'm limited by not wanting to drop the thing off; is that right?
A. Yes.
Q. And you stayed in that lane all the way up until the intersection at Griffith Peak; fair?
A. Correct.
Q. And you saw the bicycle -- well, let me just ask you, where -- at this point, the city bus -- if we look down at the big map, the city bus is already -the city bus cutout is already behind you; is that correct?
A. Right.
Q. So could you show -- if I gave you another one of those Post-its -- what did I do with the blue ones? Right here.

And if I write "bike" on this one -- if I write "bike" on the -- what color is that? I'm color-blind. Pink.

All right. On this pink -- will you put this pink Post-it on the map where you passed the bike on Pavilion Center, where you passed the bike in the bus.
A. (Witness complies.)
Q. Do you remember in your deposition,

Mr. Hubbard, it being explained to you that each one of these lines was 50 feet apart from each other?
A. Yes.
Q. With the furthest line out here being

300 feet?
A. Yes.
Q. And by 300 feet, I mean 300 feet from the stop line at the intersection in Griffith Peak. Is that your understanding?
A. Yes.
Q. Where you passed the city bus is probably another -- what? -- for the city bus cutout, 200 feet north of there?
A. I don't know.
Q. Give me your best estimate.
A. I really don't know. I would say -- I don't know, sir. I really don't know.
Q. All right. Well, we can see -- you see on this map how the right turn lane cuts into Red Rock Casino?
A. Right.
Q. If we look for it on the same thing up here, you see where it happens right here, the right turn lane goes into Red Rock Casino?
A. Correct.
Q. Would you say that's another 100, 150 feet?
A. Yes.
Q. Okay. And so if I'm trying to make the distance as accurate as you can for me, from where you pass the bicycle to the zero line at the intersection, it's about 400, 450 feet north that you overtake and go past the doctor on the bicycle.
A. Okay.
Q. Is that right?
A. Yes.
Q. Okay. And if I just go back and start placing -- remember Mr. Kemp had you place the bus every 50 feet all the way up until the intersection. Do you recall that?
A. Yes.
Q. And I could do that with you for Exhibit 231. And that's still you in that westernmost southbound lane; correct?
A. $\quad \mathrm{Mmm}-\mathrm{hmm}$.
Q. Is that a yes?
A. Yes.
Q. Sorry. You just have to answer audibly. MR. BARGER: May I ask Mr. Christiansen something real quick?

THE COURT: Yes.
BY MR. CHRISTIANSEN:
Q. Mr. Hubbard, on my maps and on these -- the
big map and on these pictures I'm showing you, you understand that the cars on here weren't the cars present that day; right? They're just Google Maps, so we've tried to do our best to scale.
A. Right.
Q. Just want to make sure everybody knew.

So I think that's a 250 mark, Exhibit 231.
Exhibit 232, back in September you place the bus at the 200-foot mark. You were still on that same right-hand southbound lane; is that fair, sir?
A. Yes.
Q. Exhibit 233, at the 150 -foot mark, you're still in that right-bound -- right-hand lane. I did that upside down. Sorry about that. Is that right?
A. Yes.
Q. 234, same thing? This is a 100 feet. Is that right?
A. Yes.
Q. 235, at 50 feet?
A. Yes.
Q. You're still in that lane. And 236 is the zero markers. And that still reflects you're in the right lane, although it does look like a kind of crazy angle in this picture. Is that right, sir?
A. Yes.
Q. This turn-in here would be to Red Rock Casino?
A. That's one entrance, yes.
Q. And to the right of the bus would be the bicycle lane?
A. Correct.
Q. And to the right of the bicycle lane would be a turn-in lane to turn into Red Rock?
A. Correct.
Q. And then there's a through lane to the left of the bus, another through lane; is that right?
A. Yes.
Q. Then there's what we've heard called a painted or a nonraised median and then a left turn lane.
A. Yes.
Q. And then after the median, there's two northbound lanes on Pavilion Center; is that right?
A. Yes.
Q. And Mr. Kemp actually had you go at each point -- and that's why we all have pictures of it -and set the bus down where it was at the various markers until you got to the 100 or -- I'm sorry -- the zero marker right at the intersection.
A. Yes.
Q. And it's my recollection your testimony was that, from the point at the city bus cutout, which is, to your best estimate, 450ish feet from the intersection, where you put the red Post-it up there on that map --
A. Yes.
Q. -- from that point when you pass the bike up through the zero line, you did not see a cyclist?
A. Correct. Not in the bike lane, no, sir.
Q. Not only did you not see the cyclist in the bike lane, you didn't see the cyclist in this turn lane; correct?
A. Correct, yes.
Q. You didn't see the cyclist at all?
A. Correct.
Q. From the moment you passed him here at the city bus cutout, what you've done your best to estimate for me is about 450 feet north of the zero line at the intersection.
A. Correct.
Q. And during this time, you were paying
attention, was your testimony?
A. Yes, sir.
Q. You had operated this bus before?
A. Yes, sir.
Q. You knew this bus had blind spots?
A. Correct.
Q. And because you knew that, you were -- you used a term, and I don't want to mess it up, but you were moving?
A. Yes. Moving in your seat, rocking, rocking to eliminate the blind spots.
Q. Okay. And you were doing that to be aware of your surroundings?
A. Right.
Q. And for 450 feet after passing the cyclist at the city cutout, you never saw the cyclist again?
A. No, sir.
Q. Okay. And then my recollection of your testimony is that you had entered the intersection. Fair?

Just from this point forward, sir, just from the zero line.
A. Oh, yes, yes.
Q. You're not stopping. I'm just -- it's kind of disjunctive because I have to do it every 50 feet. But you're just driving southbound?
A. Correct.
Q. It's a clear day?
A. Yes.
Q. There's nothing -- no objects impeding your view of the street in front of you?
A. No.
Q. And once you got into the intersection -and, well, I'm going to have you do that so I put it -you put it exactly where you want it, and I'll show you the picture you showed us at your deposition.

Out of your -- my words not yours. Out of your peripheral vision, out of the side of your eye, you saw the bike -- a bicyclist drift into your lane; fair?
A. Yes.
Q. And "drift" is your word; correct?
A. Yes, sir.
Q. And you saw that out -- not out of the windshield, as I understand it?
A. No. Not the front windshield, no.
Q. Out of sort of the side of your eye?
A. Correct.
Q. And for you to be seeing something out of the side of your eye, the bicycle had to be -- the nose of the bus had to have passed the bicycle; correct?
A. Well, approaching it, yes.
Q. Okay. And I recall -- here's, let's just show -- at your deposition you placed this -- sort of
tough to see, but this is 237, Mr. Barger.
And this is where you placed the bicycle -try to blow it up, because I hadn't thought to paint a bike at this point in my life.

This is where you placed the bicycle just to the right of the bus.
A. Yes.
Q. And the bus looks to be about halfway through that crosswalk where you placed it?
A. Yeah.
Q. So you can see down here, Mr. Hubbard, if I put it about halfway through, maybe a little more, you had the bike just to the right of the bus; is that correct?
A. Right. More -- yes, to the door area right over here. Yeah.
Q. More to the door area. And in that particular bus, I understand there's a window in the door. Is that your memory?
A. I'm not -- I'm not familiar with the window. I know some of them do have a window on the door. I don't remember if that one did or not.

MR. CHRISTIANSEN: Judge, can I pull up what we call a CAD drawing and let Mr. Barger look at it before --

THE COURT: Yes.
MR. CHRISTIANSEN: Judge, just as a demonstrative, without any objection from Mr. Barger, I'd like to show the witness a computerized drawing from the inside of the bus.

MR. BARGER: At this time, if being used as a demonstrative, I have no objection.

THE COURT: Is this the particular bus?
MR. CHRISTIANSEN: Yes, Your Honor, it is.
THE COURT: Okay. That's fine.
BY MR. CHRISTIANSEN:
Q. So that's a computerized drawing of the actual inside of this particular bus. And I'm not telling you one way or another where the cyclist was. I just am focusing you on that door because you couldn't recall whether there are windows on that door. But can you now see there are --
A. Yes.
Q. -- windows on this particular door?
A. Yes.
Q. And so when you told the jury, out of your peripheral vision, you would have seen the bicyclist drifting, think it could have been in that door that you saw that?
A. It could have been, yes.
Q. And if it was in the door, just physics would dictate that the nose of that bus had passed the bicyclist; correct?
A. Yes. Yes.
Q. All right. I remember questions being posed to you, Mr. Hubbard, in your deposition about your knowledge of aerodynamics and air blast. And my recollection is you didn't have any particularized knowledge?
A. No, sir.
Q. You never been trained relative to air blast? MR. BARGER: Objection. Leading.

THE COURT: Sustained.
BY MR. CHRISTIANSEN:
Q. Had you ever been trained as to a possible hazard of an air blast?
A. No.
Q. And in terms of your personal habits, if you're trained about something relative to safety, do you heed those training warnings?
A. Absolutely.
Q. And you've never been told that a bus could create air displacement?
A. No, sir.
Q. You don't know, as you sit here today, you
know, ten-plus months later, Mr. Hubbard, what caused that bike, using your words, to drift into your lane?
A. I do not know.
Q. Do you know what a proximity sensor is?
A. I've heard of it, yes.
Q. This bus did not have a proximity sensor?
A. No.
Q. Anything that would have warned you earlier about the cyclist would have caused you to take evasive action earlier; fair?

MR. BARGER: Objection. Form.
THE COURT: Sustained.
BY MR. CHRISTIANSEN:
Q. Well, I'll ask it to you differently.

The second -- what did you do the second you saw the bicycle drifting in your peripheral vision?
A. I proceeded to (witness indicating) turn my steering wheel to the left to avoid hitting him, because he was that close to --
Q. You were --
A. -- the bus.
Q. You were close to him when you saw him?
A. Yes.
Q. You took -- I'll use your words again from your deposition -- evasive action?
A. Yes.
Q. And had you been alerted to the cyclist earlier, you would have taken evasive action earlier? MR. BARGER: Objection. Leading.

THE COURT: Sustained.
BY MR. CHRISTIANSEN:
Q. I'll ask it differently.

If you -- if you would have been alerted to the bicyclist earlier, earlier than your peripheral vision, would you've taken evasive action earlier?
A. Yes.
Q. And there are no proximity sensors on this bus?
A. No.
Q. But there are blind spots on this bus?
A. Yes.
Q. And so I'm understanding you correctly, sir, the bus that you were operating and driving for that 400 feet between the pink Post-it on the map and the zero line, you were -- you did not, at any point in time before this intersection, between that 450 feet that we're discussing, see the cyclist?
A. You mean from the cutoff -- cutout?
Q. Yes, sir.
A. No, sir, I did not.
Q. Yes. You said you took evasive maneuvers and you moved your hands. Did you -- I understood you to mean you were sort of turning the bus to the left the best you could?
A. Right. I'm turning the steering wheel, which in turn is turning the wheels on the bus to go away from the bicyclist.
Q. Okay. And did the bus end up somewhere in this left lane? I put it on the island because I'm not great at it, but ...
A. Correct. Yes, it did.
Q. And I have a picture that's been admitted into evidence. And if I show you, maybe that will help refresh your recollection. This is 218.

This is a photo taken by one of the gentlemen that was on the bus. If I back it all the way out, this is northbound on Pavilion Center.

Does that help you orient yourself,
Mr. Hubbard?
A. Yes.
Q. That's -- is that the rear of the Motor Coach Industries $J 4500$ you were operating on the day in question?
A. Yes.
Q. And if I zoom it in, you see law enforcement,
sir? Is there law enforcement there?
A. Yes.
Q. And first responders, like ambulance -- I mean, like a fire truck?
A. Yes.
Q. If I zoom it in real tight on this angle, do you see a maintenance worker up here standing by his maintenance truck?
A. Yes.
Q. Do you recall a maintenance worker actually approaching the doctor after the collision took place?
A. No, sir.
Q. Do you see the bicycle that was being operated by the doctor?
A. Yes.
Q. Is that about in the location, to the best of your recollection, where the bicyclist came to rest after the collision?
A. Yes.
Q. I'll show you just a more of a close-up version. It looks like the photographer got a little closer. This is 219. That's been admitted into evidence.

Is that that same view, sir?
A. Yes.
Q. Sir, once the bicycle -- if I just put this back, and let me put the picture back up so you can see how you showed Mr. Kemp you did it in your deposition so I can try to be accurate.

This is the picture from your deposition; is that right?
A. Yes.

MR. CHRISTIANSEN: That's, for the record, Your Honor, Exhibit 237.

BY MR. CHRISTIANSEN:
Q. And that was about halfway through the cross -- over the crosswalk right here?
A. Yes.
Q. And that crosswalk is the crosswalk that goes east-west over the lanes that go north-south on Pavilion Center?
A. Correct.
Q. That's when the bicyclist -- you see the bicyclist out of the side of your eye?
A. Yes.
Q. Once you see the cyclist and do your evasive maneuver you described for us, you don't see -- or do you see him make contact with -- do you see him make contact with the bus?
A. No, sir.
Q. What is it that you observed if you're looking through your rearview mirror, that right rearview mirror?
A. As I did the evasive movement into the left lane and bus finally came to a stop, I looked in the rearview mirror.
Q. Whereabouts do you think you were when you looked through your mirror when you -- stopped up here?
A. Yes.
Q. Okay. So -- and when you looked in your rearview mirror, did you see what was depicted in Exhibits 28 and 219, the cycle -- the bicycle on the ground in that location?
A. Yes.
Q. With the difference, obviously, being the cyclist was still attached to the bike when you first looked at it?
A. I don't know.
Q. I'm sorry?
A. I don't know if he was still on the bike.
Q. He was near this area where the bicycle is?
A. Correct, yes.
Q. Okay. So the bike -- if I -- the bike was somewhere right here but on its side.
A. Yes.
Q. And do you know, sir, where the bike and the bus that -- we'll call it the area of initial contact, where they first touched?
A. I don't. Only by what was told to me, but I don't.
Q. I don't want -- I don't want to know about what was told to you about it by anybody, just your own personal knowledge. Do you know?
A. No, I don't.
Q. Did you feel the bus run over the cyclist between the time you took the evasive maneuver and the time you stopped up here?
A. No, sir.
Q. Did you hear any noise like contact noise?
A. No, sir.
Q. Or a thump or anything of that nature?
A. No.
Q. Okay. Once you stopped the bicycle, what is it -- the bicycle. I apologize.

Once you stopped the bus, what is it you did, Mr. Hubbard?
A. Like I said, I looked in the rearview mirror and saw that he was down. I immediately dialed 911 and got off the bus. As I was dialing 911, I was getting off the bus, see if he was okay. And I was just
calling 911 to explain what happened.
Q. The rearview mirrors on my little pretend bus aren't so great, but would you have been able, you think, looking in the rearview mirror from sitting in the driver's seat, to see the bicyclist, you know, on the pavement before you even got off the bus?
A. I'm sorry?
Q. Once you stopped the bus, just from looking in your rearview mirror on the right side, were you able to see that the cyclist was on the pavement?
A. Yes.
Q. Then you got off the bus?
A. Right. Yes. I dialed 911, got off the bus, yes.
Q. And do you know now -- I know you didn't then -- that there was a video camera, I think right about here on the top of the parking structure at Red Rock?
A. Okay. I didn't.
Q. Have you seen the video?
A. Of course. Yes.

MR. CHRISTIANSEN: Can I have that video,
Shane?
Just want to see if you can help us figure out --

Ms. Court Recorder, can we have control to my side, please.
(Whereupon video deposition was played.)
MR. GODFREY: It's Exhibit 3.
MR. CHRISTIANSEN: It's Exhibit 3, Your
Honor, for the record.
THE COURT: Okay.
BY MR. CHRISTIANSEN:
Q. Is that your bus, Mr. Hubbard?
A. Yes.
Q. Proceeding through the intersection?
A. Yes.
Q. Do you see that water bottle in between the fronds there on the ground?
A. Uh-huh. Yes.
Q. And did you see the two young folks from the motorcycles there on east -- westbound Griffith Peak approach the cyclist?
A. Yes.
Q. And then this white box truck, do you see it come in and block off, and then I think the driver gets out as well?
A. Yes.
Q. Then at some point, I think we're going to see you. You actually go back, and I think you're on
the phone with 911 maybe?
A. Yes.
Q. You go back and see what's going on. And you can see that gardener we talked about earlier there in the green, can't you?
A. I have seen it. I have seen it already. Yes.
Q. I'm sorry, sir. You just have to go through and answer the questions with me.
A. Yes.
Q. Is that you, sir, in the white top with the phone to your right ear?
A. Yes.
Q. Yes, sir. Sorry. You just have to answer audibly, Mr. Hubbard.
A. Yes.

MR. CHRISTIANSEN: Okay. Shane, that's good. Judge, can we approach on a quick matter? THE COURT: Yes.
(A discussion was held at the bench, not reported.)

BY MR. CHRISTIANSEN:
Q. As you sit here today -- well, when you approached the cyclist, Mr. Hubbard, did he have his helmet on still?
A. I don't recall. I don't remember.
Q. Did he appear to be injured?
A. Absolutely.
Q. And you were calling first responders to come help him?
A. Yes, sir.
Q. Mr. Hubbard, I want to show you what's been entered as Exhibit 216. And this is from one of the -one of the passengers on your bus. His recollection was that at that intersection, what we called the zero line, that the bicycle was over in this right turn lane to turn into Red Rock Casino. Okay?

Now, sir, if I backed your bus up to the 50-foot line and I put this bicyclist over in this red -- right on that red bike in the right turn lane, you'd have seen him if that's where he was?
A. Correct.
Q. And it has been your testimony, sir, that before he drifted, to use your word, into your lane, he had to have been in the bike lane; correct?
A. Yes.
Q. But that you were unable to see him from the intersection --
A. I'm sorry. What did you just say?
Q. That you were unable to see him?
A. No, the question before that.

BY MR. CHRISTIANSEN:
Q. I don't remember. I think I said -- I'll paraphrase.

THE COURT: Would you like it read back?
MR. CHRISTIANSEN: Sure. You know what? I can read it. I got the same thing.

BY MR. CHRISTIANSEN:
Q. The question I said, "And it has been your testimony, sir, that before he drifted -- to use your words -- into your lane, he had to have been in the bike lane; correct?
A. No, I -- I never said that.
Q. You never said he was in the bike lane before you saw him?
A. No, I never said that.
Q. So we're clear, when you see him on the map that you've put the pink Post-it, he was in the bike lane at the city bus cutout.
A. Correct. Yes.
Q. And then you don't see him at all until he drifts into your peripheral vision --
A. That's correct.
Q. -- in that intersection?
A. That's correct.
Q. And you agree with me, he couldn't have been in the right turn lane, because you'd have seen him, this lane over here where I've got him placed?
A. Yes, he could have been over there. He could have came from over there, yes.
Q. Did you see him?
A. No, I did not.
Q. So I don't want you to guess. Okay?
A. Right. But he was not in the bike lane because I would have seen him riding beside me.
Q. You would have?
A. Of course. I'm -- that's the whole reason why I'm in my mirrors. You know --
Q. Sir, you just got done telling us you traveled for 450 feet southbound on Pavilion Center and never once saw that bicyclist; correct?
A. Correct. But there's other lanes over. He could have been out of the bike lane over further right -- to the right.
Q. Sir, do you remember me asking in your deposition -- just so we give everybody a good orientation, when your deposition was taken, this nice young man over in the corner hiding, Mr. Terry, he took -- he asked questions first.

Do you remember that?
A. Yes.
Q. And then Mr. Kemp asked some questions?
A. Yes.
Q. And then I asked you some questions?
A. Yes.
Q. And I asked you specifically, did you ever see anybody on a bike in the 250-plus feet of that right turn lane, and you said no.
A. No, I did not.
Q. All right. So that's still your testimony?
A. Yes, sir.
Q. Did this particular bus have a side camera on it?
A. No, sir.
Q. Have you operated buses with 360-degree cameras?
A. No, sir.
Q. Have you operated buses that have cameras on them that show the outside of the bus?
A. No, sir.
Q. Have you operated buses with proximity
sensors?
A. I have, yes.
Q. No backup cameras on any bus?
A. No.
Q. Okay. Mr. Kemp asked you questions about -back at your deposition in September of this year -about protective barriers that go in front of or over the top of the rear tires of buses.

Do you remember those questions?
A. Yes.
Q. This bus didn't have any such protective barrier?
A. No, sir.
Q. But you have seen wheel covers on buses?
A. I have.
Q. They exist?
A. Yes.
Q. They're used on coaches?
A. I don't know. I haven't seen them -- I've seen them on city buses; I don't know about -- I haven't seen ...
Q. You just know that there wasn't any type of safety device on this particular bus?
A. No -- no covers, no.

MR. CHRISTIANSEN: Can I have the Court's indulgence?

THE COURT: Yes.
MR. CHRISTIANSEN: Your Honor, I believe that concludes direct examination.

Thank you, Mr. Hubbard.
May I approach the clerk, Your Honor, just to give this stuff back?

THE COURT: Sure.

## CROSS-EXAMINATION

BY MR. BARGER:
Q. Mr. Hubbard, do you want some water?
A. No, thank you.

MR. BARGER: I think I need a microphone.
THE COURT RECORDER: Right here.
BY MR. BARGER:
Q. Good afternoon, sir.
A. Hello.
Q. We've never met.

We've never met; correct?
A. Not to my knowledge.
Q. Okay. My name is Darrell Barger, sir, and I represent MCI. Okay?
A. Yes.
Q. Hi.

And I want to go back over a little bit, you were asked about your background. You drove city buses in New York City, in Brooklyn, for how many years?
A. Almost 12 years.
Q. Okay. And you -- before that, you obtained your CDL license, and you studied to get that; correct?
A. Yes.
Q. And when the -- you went to work for the New York City Transit, I assume that you went through some effort to learn about driving buses?
A. Yes.
Q. And you worked there for -- for how many years?
A. 2004 until 2016.
Q. Okay. So you drove -- and you worked, I guess, full time?
A. Absolutely.
Q. All right. So you drove -- you've driven a lot of transit, city buses even in New York City and Brooklyn; right?
A. Yes.
Q. And I'm going to assume, 'cause I've been to both, that it's much more heavy traffic in New York City and Brooklyn than it is out by the Red Rock Casino?
A. Absolutely.
Q. All right. And when you drove those buses for 10 or 12 years, at some point, you came to Las Vegas; correct?
A. Yes.
Q. All right. Now, the jury has heard some questions about transit buses and motor coaches. There's a difference, is there not?
A. Yes.
Q. Could you tell them in your own words some of the differences in a transit bus that you operate on city streets that stops and goes as opposed to a motor coach, which is an over-the-road bus; correct?
A. Right.
Q. Okay. Could you tell them kind of what you've observed as the differences.
A. Well, you just said it. One is -- one is made for local travel, stop and go, which is the city bus. And one is made for long distance, more comfort, which is the -- like, the coaches, the charter buses.
Q. And the transit buses usually, quite often, are longer; right? Some are?
A. Some of them are, yes.
Q. And it's lower to the ground; right?
A. Yes.
Q. The -- the motor coaches like this that travel across the country are higher off the ground?
A. Yes.
Q. All right. And a lot of transit buses have
front door and back door, and they had two sets of doors on the side; right?
A. Some, yes.
Q. And most motor coaches have the front doors; right?
A. Correct.
Q. All right. So there is a difference in your own mind in driving the two; correct?
A. Correct.
Q. Now, when you came to Las Vegas, you went -you worked for Michelangelo; correct?
A. Yes.
Q. And Michelangelo's has all kinds of buses;
right?
A. Charter buses, yes.
Q. Charter buses and -- excuse me. Not only did they have MCI buses, but they had other people's buses as well; right? So you've driven several types; correct?
A. I have.
Q. Okay. You were driving that day an MCI bus;
right?
A. Yes.
Q. You don't work for MCI or anything; you are employed by Michelangelo, which now is called a
different name; right?
A. Yes, sir.
Q. All right. What I want to talk with you -and I want to go over a little bit -- I'm going to ask the Court's permission for you to come down, and I think you have to bring a microphone. And I want to ask you a few questions about the accident. Okay? And, you know -- and I don't want to pry; I just want to ask a few questions from you. Is that okay?
A. Yes.
Q. Okay.

THE COURT: That's fine. Mr. Barger, do you want him -MR. BARGER: Yes, Your Honor, if that's okay. THE MARSHAL: Step down. Watch your step and speak into the mic.

MR. BARGER: And can we show the big blowup first of -- that has Charleston.

BY MR. BARGER:
Q. I'm going to ask you, if you can, just to look behind you first. I'm going to sneak right by you if that's okay. And we'll do this with both this chart. You see this is the one you used over here?
A. Yes.
Q. So, as I understand it, you left the airport,
and you came around what's called 215, and you exited at the Charleston exit; is that correct, sir?
A. Yes.
Q. Okay. And then you came -- that would be heading east on Charleston.
A. Yes.
Q. And you've driven that area a lot; right?
A. I have.
Q. Yeah. That's not the first time you were there; you drove it a lot. Fair?
A. Yes.
Q. And as you came east on Charleston, you were in the right-hand travel lane; is that right?
A. I was in this lane right here (indicating).
Q. Okay. This lane -- see that little white car I'm taking right there? You were in this lane right here?
A. No, sir, I was in this lane.
Q. I'm sorry. Where the black car is, you were in that lane?
A. Yes.
Q. Is there a bicycle lane next to that lane?
A. I believe it's right here.
Q. Okay. And you're pointing to what you say is a bicycle lane just to the right of the lane you were
in; right?
A. Yes.
Q. And I think we both have to step back just a little. I'm sorry.

As you were coming down, you saw the bicycle;
right?
A. Yes.
Q. All right. And when you saw the bicycle, do you know where the bicycle was when you saw the bicycle for the first time?
A. Right where the blue sticker is.
Q. Okay. So you're in the right travel lane, and there's a bike lane, and the bike is in the right -- excuse me -- in the bike lane?
A. Correct.
Q. Both of you turn right, which would be going south on Pavilion; correct, sir?
A. Yes. I turned after him.
Q. Yeah, I was going to ask you. Who turned first?
A. The bicyclist.
Q. So the bicycle turned first, and then he turned into the bike lane on Pavilion?
A. Correct.
Q. And then you turned secondly?
A. Correct.
Q. All right. And you made your turn. And then the bicyclist, is he in front of you when you make the turn?
A. Yes.
Q. And when you make the turn, you stay -- as I heard your testimony -- in the right-hand travel lane.
A. Correct.
Q. And that would be the lane next to the bicycle?
A. Correct.
Q. And you initially saw him; right?
A. I did.
Q. Now, do you remember the speed limit on that particular road? I think it's 30 to 35.
A. Yes.
Q. All right. And I've read your deposition, and you said you thought you were going somewhere -what? -- obviously, you have to speed up -- but at some point you were going about 25 or 30 miles an hour; right?
A. About 20, 25, yes.
Q. Now, just for the -- just for -- we got it straight, you -- where you were actually going to take -- drop off the passengers is the entrance to Red

Rock, right, not the back door, but the actual front door entrance; right?
A. No, that's not correct.
Q. Okay. Help me, then. I'm sorry.
A. I was going to this entrance right here, which is the hotel entrance.
Q. Okay. That's what I meant. I thought that was the front door. Is that not the front door?
A. I think this might be the front area. This is for the hotel entrance, back here where you take people who are checking in.
Q. There's a hotel and a casino?
A. Correct.
Q. And what you were doing, you were coming down here, you were going to go in here and drop your passengers off right there so they could go check into the hotel?
A. Correct.
Q. You weren't going over here?
A. No, sir.
Q. All right. Now, as you turn the corner and the bicycle is out in front of you, you saw it; right?
A. Correct.
Q. About how far do you think he was out in front of you?
A. Not very far, because as -- as I come out the turn, as you say, I sort of pass him, which is what I did.
Q. What? 10 or 15 feet out in front of him?
A. Yes.
Q. So when you made the turn, the bicyclist is in the bike lane, the -- you're in your right-hand travel lane?
A. Yes.
Q. And the bicyclist is out in front of you 10 or 15 feet?
A. Yes.
Q. And you saw him, and then what you wanted to do was -- obviously, you were going to go faster than the bicyclist; right?
A. Correct.
Q. And you passed the bicyclist?
A. Yes.
Q. All right. And you have -- you didn't have any trouble passing the bicyclist; right?
A. No, sir.
Q. And when you passed the bicyclist, did you change lanes or did you just go right past him?
A. Just stayed in the same lane.
Q. Okay. And about how far was the bicyclist to
your right in that bicycle lane when you passed him?
A. How far was he to -- oh, 5, 7 feet over.
Q. Okay. In the bicycle lane as you went by?
A. Correct.
Q. Okay. And now I want to step to here if you can. Sorry. I don't mean to step in front of you. Please go ahead.

Now, at some point, you passed the bicyclist back here, right, because it's not on this map?
A. Yeah, the cutoff is somewhere in here.
Q. Okay. And I think the testimony earlier was maybe it was about 450 feet back from this intersection; right?
A. Correct.
Q. All right. So the first time -- I mean, when you went past him, did you ever see him again till we get to the very end?
A. No, sir.
Q. And you were going about 25 or 30 miles an hour at that point?
A. Yes.
Q. You know how fast the bicyclist was going?
A. I don't know.
Q. I want you to, if you can, maybe assume that there's been testimony you were going about twice as
fast as the bicyclist. In other words, for every 36 feet you went, he went about 17 feet. Does that make sense to you, or am I --
A. I understand what you're saying.
Q. So, in other words, you passed the bicyclist and you just kept going?
A. Correct.
Q. And you never saw the bicyclist speed up? In fact, you -- he'd have to be going 40 to 50 miles an hour on a bicycle to catch up to you, wouldn't he?
A. Right.
Q. And that didn't happen, did it?
A. No.
Q. As you're going -- and I -- I've read your deposition -- I didn't go to it -- but at the 300 feet mark, 300-foot mark, by then you had passed the bicyclist; correct?
A. I would --
Q. Yeah, let me show you -- let me assure you that back here is the bus -- the transit bus turn-in lane; right? It would be back here off the map.

So you've already passed that, and you've passed the bicyclist?
A. Right.
Q. And at 300 foot, you -- I assume that you
drive, what you do is -- you told the jury, you look forward, you look to the right, to the left, you look in your mirrors, and you do the rock-and-roll issue?
A. Correct.
Q. Okay. Now, rock and roll is not a dance when you're driving a bus, is it?
A. No, sir.
Q. Would you tell the ladies and gentlemen what you mean by rock and roll. What does that mean?
A. It means moving in your seat, moving around in your seat so that you can eliminate blind spots so that you can see more of your mirror.
Q. Okay. Is that how -- is that how you drive buses?
A. That's how I was trained.
Q. That's how you learned? Okay. And so, in addition to, obviously, looking ahead, which you have to do, you're looking to the right and you're looking to the left, you're looking in your mirrors, and you're doing the rock and roll just to do --
A. Yes.
Q. -- because you talk about a blind spot?
A. Yes.
Q. And you agree with me, every bus you've ever
driven has a blind spot, doesn't it?
A. They do.
Q. And every -- have you driven big trucks? Have you ever -- like 18-wheelers and that?
A. No, sir.
Q. Okay. But even your car has a blind spot, doesn't it?
A. Yes.
Q. There's not a vehicle on earth that doesn't have a blind spot, is there?
A. Correct.
Q. That's why you, as you told us, you were looking in the mirrors, but you're also rocking and rolling to make sure; right?
A. Yes.
Q. And that blind spot is really for a split-second, isn't it? Because if you're driving and you get past somebody, you're no longer in a blind spot at all, is it?
A. Correct.
Q. Just -- just a split-second, there might be a blind spot; right?
A. Correct.
Q. All right. So I want to ask you -- I'm going to put the bus at 250 -- at 250. And I'm -- and the
angle isn't meant to be an angle. It's just the way I've set it down. Okay?

At 250, you, I presume, would be looking forward in your mirrors and doing the rock and roll?
A. Yes.
Q. All right. And you did not see a bicyclist?
A. No, sir.
Q. Clearly, when you passed him, he was in the bike lane, but, after that, you really don't know what he did; isn't that fair?
A. That's correct.
Q. And am I too close to you? I don't mean to get too close. I promise you I don't have the flu.
A. All right.
Q. So you drive on to 200, and you do not see the bicyclist; correct?
A. Correct.
Q. And without being repetitious, you're still watching, rocking, rolling, and looking in the mirrors?
A. Yes, sir.
Q. And you don't see him anywhere behind you, and you're going over twice as fast as he is; right?
A. Correct.
Q. So he's not catching up to you at all, is he?
A. I really don't know what he's doing. I know
he's not in the bike lane.
Q. That's fair. You know he's not in the bike lane?
A. Correct.
Q. But you didn't see him in the bike lane?
A. No, sir.
Q. Now, let's go to 150 feet. Same question: I assume you're doing your driving, you're looking. You did not see him at all?
A. No, sir.
Q. He certainly wasn't in any blind spot, was he?
A. I don't know where he was. I can't answer whether he was in a blind spot.
Q. He certainly wasn't up here in the bike lane next to you; right?
A. No, sir.
Q. All right. You don't know where he was. And that's fair?
A. Correct.
Q. All right. Now, as you go to the 100 feet, did you see him?
A. No.
Q. Are you again looking in your mirrors, you're going twice as fast as he was, and you're doing the
rock and roll movement?
A. Well, I don't know if I'm going twice as fast as -- when I'm getting near, because I'm -- the -- if I'm not mistaken, there's a light up there. So I don't remember whether it was green or what, but I'm approaching an intersection. So, therefore, I'm not going to be going faster; I may be starting to decelerate.
Q. You may be coming down from 35 to a little bit lower?
A. Right. I may be -- yes.
Q. You may be going 32, then 33. You are aware that there was -- I know there's a light there, but it wasn't red because -- you saw the video; you go right through it. And you didn't run a red light. It didn't happen?
A. Yeah.
Q. Okay. All right. So I will tell you there's some experts in the case -- and you probably don't know this -- who have said at the time up here that you were going about 25 miles an hour. Okay?
A. Okay.
Q. Up here close to this area of the zero mark; right?

So as you get to 50, you still didn't see
him; right?
A. Correct.
Q. Now -- and as you get to right in here, somewhere between 50 and zero, you still did not see him; right? You --
A. Yes. Little bit closer, I saw him, little bit closer to the crosswalk.
Q. Before we get to the crosswalk -- I'm back from the crosswalk -- you did not see him, and you were looking?
A. Correct.
Q. All right. And if he would have been -- if he had been 10 to 15 feet in front of you in the bike lane, you would have seen him, wouldn't you?
A. Yes.
Q. And when you get up here -- and here's what I want you to do instead of me to do now. Okay? Show me, if you will, where the bus was when you saw him come into the side of the bus. Okay?
A. I would say about somewhere right there (witness indicating).
Q. Okay. And I want to let the record reflect --
A. That might be out a little bit further, but somewhere in there.
Q. Why don't you put it your best shot. Okay?
A. So this is somewhere like that.
Q. Okay. So it's past zero; right?
A. Correct.

MR. BARGER: And, Your Honor, may I take a photograph of this with the iPhone? Can we have somebody do that?

MR. KEMP: I want to watch this, Your Honor.
MR. BARGER: Oh, I'll do it. Sure. I'll use your phone.

MR. KEMP: No, you won't.
MR. BARGER: Let me have my phone.
THE COURT RECORDER: Can you hold the microphone closer, please.

THE MARSHAL: Is it responding to your voice?
MR. BARGER: I'm multitalented.
MR. KEMP: I want to see.
MR. BARGER: Why don't you come watch me do that. That's fine. Let me take a couple. Can you look past me, over my shoulder to make sure I'm taking this okay? You see that? Okay.

I'm going to move over here, with the Court's permission, to take another photograph and then --

THE COURT: That's fine.
MR. BARGER: And then, Your Honor, with the
lawyers present in front of -- we will download these so we can take a print.

THE COURT: Okay.
BY MR. BARGER:
Q. And I'm going to ask you if you can come with me if you don't mind, sir.

Now, the bicycle here is not -- I mean, that's not where it was at the time. So I'm going to have you move the bicycle out of the way. We're just talking about where the bus was. I'm going to take a picture. Okay? All right?

Thank you.
Now what I want you to do next is show me where the bicycle -- put the bicycle in there, if you will, because you said what you did out of your -- was it your peripheral vision you saw the bicycle come in and hit you?
A. No. Right here.
Q. Somewhere in there?
A. Yes, sir.
Q. This happened pretty fast; fair?
A. Very fast.
Q. I mean, faster than we want to realize, didn't it?

All right. So, when you saw the bicycle come
in, you don't know where it came from, do you?
A. No, sir.
Q. And what you told Mr. Christiansen was that you didn't see him in the bicycle lane and you would have if he had been in the bike lane because of your looking in the mirrors and your rocking and rolling and your doing that; right?
A. Yes, sir.
Q. All right. So is it your testimony -- I'm going to move this back.

Is it your testimony that, at some point back here, you never saw Dr. Khiabani in the bike lane?
A. No, sir.
Q. Is that correct?
A. That's correct.
Q. All right. And then up -- again, I'm going to ask you to move it back so --
A. I should have turned this because it was more like -- it was more like this than it was straight. You understand?
Q. Yes, sir?
A. It was more like (witness indicating).
Q. What I want you to do now is move the bus back where it was and put the bicycle at the -- where you thought it was. And you say it's kind of more
turned. I don't want to use any words. I want you to show --
A. Yeah, because he -- he was -- and he was coming in. He wasn't straight. He was coming in.
Q. All right. I'm going to take a picture of that as well.

That's when you immediately turned to the left; right?
A. Correct.
Q. All right. And we've seen the videos and all the pictures, that the bus ended up across over here; right?
A. Yes.
Q. Right. You can take your seat, sir. Thank you.

THE MARSHAL: Thank you, sir. BY MR. BARGER:
Q. As you drive the MCI bus -- or any bus, but let's talk about this MCI bus. As you drive that, do you now -- do you now remember seeing the photographs that there -- the right front door where the passengers come in, there are windows there; right?
A. Yes.
Q. And you can see out; right?
A. Yes.
Q. All right. And, like I said before, if there's -- if the bicycle is out in front of you 10 or 15 feet, there's nothing blocking your view from seeing that; correct?
A. Out in -- directly in front of me?
Q. Yes.
A. No.
Q. Okay. And out in front, like, if he was in the bike lane 10 or 15 feet out in front, nothing blocking your view seeing him?
A. No, sir.
Q. Is that correct?
A. Yes, sir.
Q. All right. Now, there was a question -- and I'm almost through, because I know you're ready to get out of here. Okay? There's a question asked you about aerodynamics.

You're not an aerodynamic engineer, are you?
A. No.
Q. No. You've driven buses for 20 -something years; right?
A. I have.
Q. And you know when a bus is going down the road, there's some air disturbance. That's not new to you, is it?
A. That it -- what -- I don't --
Q. When you're going through and you're going, driving a bus, coming towards you, there's air coming at you; right?
A. Okay.
Q. And, as you said -- you said in your deposition -- and let me just read you a question.

MR. KEMP: Your Honor.
THE COURT: Is that an objection?
MR. BARGER: I will ask it a different way. It's fine.

THE COURT: Okay. Sustained.
BY MR. BARGER:
Q. Let me ask you a question. Is it your understanding that, if a bus is moving at 30 or 35 miles an hour, that that will cause air blast or air displacement at the front of the bus? Have you ever heard that?
A. No, sir.
Q. Do you remember what you said in your deposition?
A. Some of it. I don't remember everything.
Q. Okay. Let me ask permission to have that -I'll hand you your deposition, the original. They have to open it, though.

I will turn to a page for you before $I$ hand it to you, if I may. I'm going to show you something on page 76. Okay?

MR. BARGER: I have to show him this, Your Honor?

THE COURT: Yes. BY MR. BARGER:
Q. You see at the top of the page, it will say the page number? Okay? And these are the line numbers. Okay? You see that?

Okay. What I'm going to do is read to you the question that was asked you by Mr. Kemp.

If you'll look at line 8.
A. Uh-huh.
Q. Actually, line 11. I'm sorry. The question:
"Do you have any sort of undertaking -understanding" -- I'm sorry -- "that a bus, if it's moving at 30 to 35 miles an hour, will cause air blast or air disturbances at the front of the bus? Have you ever heard of that?"

What was your answer?
A. "Yes."
Q. And then it keeps going, and we'll read that.

Let me ask you. When you say yes to that,
does that mean that you know there's air coming because the bus is driving into it, and it's called -- whether it's ever called an air blast. You never heard that term before, did you?
A. No.
Q. But you've heard of air disturbance, because you know a bus going at 35 miles an hour through the -driving down the road, there's a little air; right?
A. Correct.
Q. Okay. And that's my point. The word "air blast," whatever that means, you know that there's air moving around a bus when you're driving through the air?
A. Right.
Q. That's nothing new to you?
A. No. I think that's what it means when I said yes.

MR. BARGER: If I may have one minute?
THE COURT: Yes.
MR. BARGER: Mr. Hubbard, thank you very much for coming. That's all I have.

Pete, let me give up the mic.
MR. CHRISTIANSEN: I don't need it.
MR. BARGER: Let me give it to the Court, then.

THE COURT: Redirect, Mr. Christiansen?
MR. CHRISTIANSEN: Please, Your Honor.
THE COURT: You may proceed.
MR. BARGER: Judge, can we approach the bench for a second? I don't want to admit my phone.

MR. KEMP: Okay.
MR. BARGER: He's trying to trick me to admit my phone, and I'm not going to do that.

MR. KEMP: He needs to move to admit the picture before he sits down.

MR. BARGER: You want them printed? Do we have to print them first?

MR. KEMP: Doesn't have to be right now, Your Honor. I just wanted to -- okay.

THE COURT: I am not certain how many pictures you took.

MR. BARGER: I think they were four or five.
They'll all be here. I will move to admit the pictures. But, Your Honor, I do not want to admit the phone. My wife wouldn't like that very much.

THE COURT: Understood.
Any objection?
MR. KEMP: No objection.
THE COURT: Very good. Those will be?
THE CLERK: Next in line is 238. You're
saying there's four?
THE COURT: No, defense.
MR. BARGER: You know what?
THE CLERK: Oh, I'm sorry. Yeah. I'm sorry.
THE COURT: The next in line is 503.
THE CLERK: Yes.
MR. BARGER: There are five, Your Honor.
THE COURT: Five? So 503. They start at 503.

THE CLERK: Through 507.
THE COURT: So 503 through 507 of defense.
MR. BARGER: Five photographs.
THE COURT: Exhibits 503 through 507 of
defense exhibits. Okay?
MR. BARGER: I will print them and have them.
THE COURT: Yes.
(Whereupon, Defendant's Exhibits 503 through 507 were admitted into evidence.

THE COURT: There's no objection. They will be admitted. Okay.

MR. CHRISTIANSEN: May I proceed, Your Honor? THE COURT: Go on, please.

## REDIRECT EXAMINATION

BY MR. CHRISTIANSEN:
Q. Okay. Mr. Hubbard, just a few follow-up questions.

Back in September, on the 20th at your deposition, you got to place on this very same board the same bus and the same bike, but the bike hadn't been painted yet. Is that fair?
A. Yes.
Q. And Exhibit -- picked up the one. I think this might be 37. I grabbed the ones --

MR. CHRISTIANSEN: Ms. Clerk, can I have the last five I marked? 230 through 237, I believe.

THE CLERK: Uh-huh.
MR. CHRISTIANSEN: Thank you.
THE CLERK: Welcome.
BY MR. CHRISTIANSEN:
Q. Mr. Hubbard, I just want to show you -Mr. Barger had you place the bus a few seconds ago; fair?
A. Yes.
Q. When you placed it back in September at your deposition at the zero line, you did not see the bicycle; correct? That's Exhibit 236.
A. Correct.
Q. When you place it halfway through the intersection at Exhibit 237 -- I'll zoom in so the ladies and gentlemen of the jury can see the white bike; we hadn't painted it yet -- you place it where you placed it on that map; correct?
A. Right. But it was more to the side, by the -- right where I placed it at.
Q. Okay. But my question simply is to you, sir, you placed these items, not anybody else?
A. My -- I don't -- I don't know. I -- I don't know when this picture was taken, so I don't know.
Q. This was taken in your deposition, and they were -- we took photos every 50 feet. We had you place the bus --
A. Right.
Q. -- and then we took a picture. You remember that?
A. Yes.
Q. You were the guy doing the placing?
A. Yes.
Q. You did this last placing where you place the bus and the bike, and then we took the last picture?
A. Correct.
Q. Okay. So I just want to make sure.
A. That's just about the same. It's just off a
little bit on the board. I mean --
Q. Understood. And in your deposition, when MCI's attorney, Mr. Terry, the gentleman in the corner here, asked you -- go to page 28 if you would, please, sir, of your deposition. You have it in front of you? Do you have it with you, sir?
A. Correct.
Q. Look at lines 3. I'm going to read a question and answer to you. Okay?
"QUESTION: So as you come up on the intersection of Griffith and Pavilion, you saw the bike turn into what looked like your door area."

That's the question posed to you; is that right?
A. Yes.
Q. Your answer is:
"I don't know if it was a turn. I don't know what it was. I know that he just -- he just came into it."

Did I read that correctly?
A. Yes.
Q. So MCI suggested to you that the bicyclist turned. You resisted that suggestion and stuck with your original story, which was that it was a drift.

That was your word.
A. Correct.
Q. And you have never said the bicyclist turned?
A. No, I haven't.
Q. 'Cause, sir, I asked you earlier, if somebody wanted to turn, into what kind of traffic would they be turning into?
A. Correct.
Q. Oncoming.
A. I'm just telling you how the bike was at -when I saw it, it was on a diagonal. I never said it was turning. I'm just telling you it was like this.
Q. Even when suggested to you by MCI that it was turning, you resisted. You said no?
A. No. It was just on an angle.
Q. It was drifting?
A. Correct.
Q. After the nose of the bus had passed it?
A. Correct.
Q. After you hadn't seen it for about 450 feet?
A. Correct.
Q. After you passed it today, Mr. Barger said when you passed it back at the cutout and you thought you were maybe 5 to 7 feet away from it -- do you remember that?
A. Right.
Q. At your deposition at page 32, do you remember saying you were actually 3 to 4 feet from the bike when you passed it at the cutout?
A. I don't recall.
Q. Okay. Well, your memory in September was a little closer to the events in question?
A. True.
Q. Probably was a little clearer?
A. Possible.
Q. Okay. Sir, you told me earlier that you'd recently been in an Uber or a Lyft and had seen a proximity sensor or an outside camera for when people change lanes.
A. Right.
Q. Do you think one of those would be a good idea on buses?

MR. BARGER: Excuse me. Objection.
Foundation. Invades the province of the jury.
THE COURT: Sustained.
BY MR. CHRISTIANSEN:
Q. Mr. Barger just asked you 20 minutes' worth of questions about all your bus driving experience. Remember?
A. Correct.
Q. Very experienced on a bus?
A. Correct.
Q. Would one of those cameras or a sensor, in your opinion with your experience, be helpful?

MR. BARGER: Objection. Judge, can we approach again, please?
(A discussion was held at the bench, not reported.)

BY MR. CHRISTIANSEN:
Q. Mr. Hubbard, in your experience, would a proximity sensor or a camera on a bus be a good idea?
A. Yes.
Q. Do you know -- you know, as you sit here today, that the bus, the rear tires, rolled over the doctor. As you sit here today, you know that?

MR. BARGER: Excuse me. Objection, Your Honor. No foundation for that. He said he didn't know.

THE COURT: Sustained.
BY MR. CHRISTIANSEN:
Q. Well, I'll ask you. Do you know?

You have to answer out loud, sir.
A. I'm sorry?
Q. Do you know one way or another if the rear tires ran over the cyclist?
A. I don't know.
Q. Do you know one way or another if one of the barriers you told me you have seen on other buses would have prevented that?

MR. BARGER: Excuse me, Your Honor. Just same objection. No foundation.

THE COURT: Sustained.
BY MR. CHRISTIANSEN:
Q. Sir, you've explained to the ladies and gentlemen of the jury that at the zero line, you were in the most westbound -- western southbound lane and you did not see the bus -- the bike; correct?
A. Yes.
Q. Did you know there was a lady behind you named Erika Bradley who saw the bus in the bike lane at that very moment?
A. I don't know.
Q. The bike in the bike lane. I said the bus. I apologize.

Did you know there was a gardener, Mr . Sacarias, who at that very moment in time, at the zero mark line, saw the bike in the bike lane right next to you?
A. I don't know.
Q. Did you know there was Ms. Kolch, nice young
lady who was on the motorcycle who you saw on the video run across the street, who also saw the bike in the bike lane right next to you at the zero mark line?
A. I don't know.
Q. I mean, just looking at angles, they all have a pretty good view of that angle, do they not?
A. I don't know.
Q. Well, certainly, you can agree that the gardener has a good angle right there, can't you? The gardener's this guy right here, Mr. Sacarias.
A. I'm listening to you. I don't -- I don't know either way, sir. I had the best view for me, and I was the one who was operating the bus.
Q. And the best view for you for 450 feet didn't see the bicyclist in the bicycle lane; correct?
A. Correct.

MR. CHRISTIANSEN: Nothing else.
MR. BARGER: I have no questions, Your Honor.
THE COURT: Okay. Does the jury have any
questions?
THE MARSHAL: I do believe, Your Honor.
Any others? Any others? We have two, Your
Honor.
THE COURT: Okay.
(A discussion was held at the bench, not reported.)

THE COURT: All right. Mr. Hubbard, I can barely see you, but all right. There's some questions from the jury. And I'm going to ask them to you, and you may answer them if you -- if you know. Okay? THE WITNESS: Yes.

THE COURT: All right.
Have you ever driven a motor coach with proximity sensors?

THE WITNESS: Yes.
THE COURT: If so, how many motor coaches have you driven with proximity sensors?

THE WITNESS: I don't know how many. We have -- we have a bunch at our depot.

THE COURT: Okay. No. 3, are you familiar with any rear tire safety devices?

THE WITNESS: I'm not familiar with them. I
know about them, but I'm not familiar with them.
THE COURT: Okay. So, but you know about
them? So I'll just ask you this and see if you can or cannot answer. Okay?

If so, have you driven a bus with a rear
safety device?
THE WITNESS: No.

THE COURT: Okay. No. 5, at any time do you recall seeing the light red even though it was green at the time you approached the intersection and begin decelerating, or did you begin slowing down while approaching the intersection?

THE WITNESS: I began slowing down while approaching the intersection.

THE COURT: Okay. No. 6, if you passed the bicyclist at the transit turn lane, how do you think he got back ahead of you?

THE WITNESS: I don't know.
THE COURT: Okay. Okay. There are a couple more questions.

No. 1, according to testimony, it says he saw a bicyclist before turning onto Pavilion. Was it the same bicyclist that it would appear to be, the -Dr. Khiabani or a different person?

THE WITNESS: I'm sorry, ma'am. Can you
repeat --
THE COURT: I'll repeat the question.
According to testimony, he -- meaning, I believe, you -- saw a bicyclist before turning onto Pavilion. Was it the same bicyclist that it would appear to be, Dr. Khiabani, or a different person? THE WITNESS: No, it was the same bicycle.

THE COURT: The second question is, what is the approximate distance from the intersection to the hotel entrance?

THE WITNESS: From the intersection where the incident happened to the hotel entrance?

THE COURT: I imagine it's -- the question says, what is the approximate distance from the intersection to the hotel entrance?

THE WITNESS: I don't know the distance, but I was, like, 45 seconds away from dropping the people off.

THE COURT: Okay. No. 3, how soon were you looking to steer the bus towards the entrance?

THE WITNESS: How soon was I looking to steer the bus towards the entrance?

THE COURT: Actually it doesn't say "the," but I added it. Steer bus -- and it says -- entrance, but I think it means towards the entrance.

THE WITNESS: I don't know. Because I wasn't near the entrance yet. The entrance was, like, a little further up.

THE COURT: If you knew, could it -- could it be shown on the big board.

But you -- you say you don't know?
THE WITNESS: Well, the entrance to where I
was going was -- was the next driveway, not the driveway at the intersection.

THE COURT: So will you please show that on the big board.

THE WITNESS: Yes.
THE COURT: Okay.
THE MARSHAL: Here is your mic, sir. You guys can stand if you need to see him.

THE WITNESS: Oh, actually, I'm sorry. It's not in the picture.

MR. CHRISTIANSEN: Judge, the board behind him.

MR. BARGER: The one on the easel.
THE COURT: Okay. If you stand back a little bit so the entire jury can see, Mr. Hubbard.

THE MARSHAL: Stand on this side.
THE WITNESS: I'm sorry. I'm trying to see where I'm at.

THE COURT: Take your time.
THE WITNESS: Right.
This is the first entrance, but I'm not going here. The entrance I'm going to is right here (indicating). So the -- the incident happened here, but the -- the entrance is here to where I was going.

THE COURT: Okay. Thank you, sir. You may
sit down.
MR. BARGER: Your Honor, I have these photographs.

THE COURT: Just a moment.
All right. Counsel, do you have any
follow-up questions for Mr . Hubbard?
MR. BARGER: No, Your Honor.
MR. CHRISTIANSEN: No, Your Honor.
THE COURT: Mr. Hubbard -- any more jury
questions, Jerry?
THE MARSHAL: I do believe so, Your Honor.
Any other questions, put it in writing,
please.
No other questions, Your Honor.
THE COURT: Okay. Thank you. Anything else from counsel?

MR. BARGER: Yes, Your Honor.
THE COURT: Go on.
MR. BARGER: Judge, the photographs, the five photographs I took, we've now printed. And it's 503-001, 504-001, 505-001, 506-001, and 507-001.

We offer those at this time, Your Honor.
MR. KEMP: No objection, Your Honor.
THE COURT: Okay. Very good. So those are admitted into evidence. All right.

MR. BARGER: That's all I have. Thank you. THE COURT: Okay.

You are excused, Mr. Hubbard. Thank you very much.

THE WITNESS: You're welcome.
THE MARSHAL: Thank you, sir. Watch your step.

THE COURT: I would like to see counsel at the bench, please.
(A discussion was held at the bench, not reported.)

THE COURT: All right. All right. Ladies and gentlemen, we're going to wrap it up for this evening. I want to thank you for your dedication and for -- for listening so closely and fulfilling your civic duty. We are going to start again tomorrow at 9:30 in the morning, and I'm going to admonish you for the evening.

During our break, you're instructed not to talk with each other or with anyone else about any subject or issue connected with this trial. You are not to read, watch, or listen to any report of or commentary on the trial by any person connected with this case or by any medium of information, including, without limitation, newspapers, television, the

Internet, or radio.
You are not to conduct any research on your own relating to this case, such as consulting dictionaries, using the Internet, or using reference materials.

You are not to conduct any investigation, test any theory of the case, re-create any aspect of the case, or in any other way investigate or learn about the case on your own.

You are not to talk with others, text others, tweet others, google issues, or conduct any other kind of book or computer research with regard to any issue, party, witness, or attorney involved in this case.

You're not to form or express any opinion on any subject connected with this trial until the case is finally submitted to you.

Have a great evening, ladies and gentlemen. We'll see you tomorrow at 9:30.

THE MARSHAL: All rise. This way. (The following proceedings were held outside the presence of the jury.)

THE COURT: Did you close the door? Thank you, Jerry.

Okay. Very good. We're still on. Do we need to be on the record for this? I don't think --
it's just about.
MR. CHRISTIANSEN: Just 9:30 tomorrow morning.

MR. ROBERTS: I don't think so, Your Honor.
THE COURT: That's not everything.
Mr. Pepperman and Mr. Russell, let's talk about our plan. We can go off the record.
(Thereupon, the proceedings concluded at 4:50 pm.)
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ATTEST: FULL, TRUE, AND ACCURATE TRANSCRIPT OF PROCEEDINGS.


BY MR. BARGER: [7]
170/6 170/11 174/18 189/3 191/16 193/12 194/6
BY MR. CHRISTIANSEN:
[30] 66/5 76/21 84/13
88/9 112/22 113/7 113/13
116/3 130/5 131/11
137/23 138/4 138/19
143/7 146/23 153/10
154/13 155/12 156/5
159/9 163/7 164/21 166/1
166/7 198/1 198/16
202/20 203/8 203/19
204/7
BY MR. ROBERTS: [9]
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MR. CHRISTIANSEN: [43] 65/10 65/13 84/7 84/10 88/7 91/10 93/13 95/1 100/3 113/2 113/6 116/13 117/15 124/2 128/7 128/14 129/5 129/15 138/3 138/16 142/13 142/17 142/22 143/4 152/22 153/1 153/8 159/7 162/21 163/4 164/16 166/5 169/20 169/23 195/22 196/1 197/21 198/11 198/14 205/16 209/10 210/7 213/1 MR. GODFREY: [1] 163/3 MR. HENRIOD: [7] 62/6 124/6 124/16 126/18 127/5 127/11 127/19
MR. KEMP: [17] 63/13 123/21 125/12 125/15 127/14 127/22 128/1 129/1 188/7 188/10 188/16 193/7 196/5 196/8 196/12 196/22 210/22
MR. PEPPERMAN: [97]
$\begin{array}{lllll}5 / 11 & 5 / 24 & 6 / 8 & 9 / 16 & 9 / 20\end{array}$ 10/1 11/13 12/13 14/6 $\begin{array}{llll}15 / 14 & 16 / 11 & 16 / 23 & 16 / 25\end{array}$ $\begin{array}{llll}17 / 17 & 18 / 18 & 19 / 5 & 20 / 3\end{array}$ 21/1 21/22 22/1 23/4 23/7 23/10 23/21 24/3

24/7 24/14 24/24 25/5 25/8 25/15 26/15 26/21 27/15 27/20 27/24 28/3 28/13 28/17 28/23 29/1 29/3 31/19 33/2 33/5
$34 / 7$ 35/14 37/3 37/6 37/14 $37 / 19 \quad 38 / 4 \quad 38 / 18$ 39/18 40/1 40/7 40/10 40/13 40/24 41/5 41/24 42/4 $42 / 8 \quad 42 / 17 \quad 43 / 5$ 43/8 44/21 48/4 48/20 49/1 49/4 50/5 50/19 51/12 51/25 52/20 53/23 54/5 54/10 54/15 54/21 54/25 55/3 55/14 55/22 55/25 57/2 57/7 58/11 58/23 59/11 $59 / 13 \quad 59 / 25$ 61/12 61/17 61/23 62/2 MR. ROBERTS: [28] 63/7 63/10 65/11 76/18 84/5 88/2 91/15 93/11 100/1 100/4 102/1 102/4 102/13 105/11 106/3 112/19 113/11 116/14 117/14 117/20 119/12 119/19 119/23 122/5 122/8 123/13 129/2 213/3
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THE COURT RECORDER: [3] 102/11 170/10 188/12 THE COURT: [275] THE MARSHAL: [33] 5/7 36/12 36/18 62/22 63/2 63/17 63/19 63/22 63/25 65/16 105/19 105/22 113/5 116/16 117/12

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## \$

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| 001 | $[5]$ | $210 / 21$ | $210 / 21$ |
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| $210 / 21$ | $210 / 21$ | $210 / 21$ |  |



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| 10... [6] 171/24 179/4 | 17 [4] ${ }^{17}$ [13/12 $40 / 22 \quad 42 / 3$ | 219 [2] 158/22 160/12 |
| 179/10 187/13 192/2 | 42/20 17 fl1 181/2 | 22 [6] 7/3 9/13 15/11 |
| 192/9 | 17 feet [1] 181/2 | 43/4 43/17 60/21 |
| 100 [2] 145/24 148/23 | $\begin{array}{lll}170 & \text { [1] } & 4 / 5\end{array}$ | $\begin{array}{lllll}23 & {[11]} & 7 / 4 & 7 / 19 & 9 / 13\end{array}$ |
| 100 feet [2] 147/16 | $\begin{array}{\|llll} \text { 17th [1] } & 2 / 5 & \\ 18 & \text { [17] } & 7 / 3 & 9 / 13 \\ 75 / 4 \end{array}$ | $\begin{array}{llll} 14 / 16 & 14 / 20 & 16 / 21 & 17 / 6 \\ 17 / 8 & 17 / 18 & 17 / 25 & 46 / 10 \end{array}$ |
| 185/21 | $\begin{array}{cccccc}\text { 75/8 } & 75 / 12 & 76 / 8 & 77 / 15\end{array}$ | 230 [6] 4/12 142/13 |
| 100 miles [2] 6/11 6/21 | 87/5 94/2 94/9 96/13 | 142/20 $142 / 24143 / 17$ |
| 100 percent [3] 75/7 $92 / 1792 / 23$ | 97/2 108/1 108/17 108/23 | 198/13 |
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| 107 [1] 55/10 | 130/19 $142 / 10$ | 233 [2] $4 / 15$ 147/12 |
| 108 [1] 55/10 | 197 [6] $4 / 54 / 204 / 21$ $4 / 22 \quad 4 / 23$ 4/24 | $\begin{array}{lllll}234 & {[2]} & 4 / 16 & 147 / 16 \\ 235 & {[2]} & 4 / 17 & 147 / 19\end{array}$ |
| 109 [1] 55/11 | $\begin{array}{rrrr}4 / 22 & 4 / 23 & 4 / 24 \\ 1973 & \text { [1] } & 66 / 17\end{array}$ | $\begin{array}{lllll}235 & {[2]} & 4 / 17 & 147 / 19 \\ 236 & {[3]} & 4 / 18 & 147 / 21\end{array}$ |
| 10:00 [2] 132/23 132/24 | $\begin{array}{lll}1973 & \text { [1] } & 66 / 17 \\ 1976 & \text { [1] } & 66 / 18\end{array}$ | 236 [3] 4/18 147/21 |
| 10:00 a.m [2] 132/19 | 1976 $[1]$ $66 / 18$   <br> 1995 $[3]$ $7 / 7$ $10 / 3$ $10 / 8$ | 237 [8] 4/19 142/13 |
| 132/21 | 1995 $[3]$ $7 / 7$ $10 / 3$ <br> 1997 $[3]$ $130 / 13$ $132 / 7$ | 142/21 142/24 152/1 |
| 10:00 o'clock [1] 134/7 | $132 / 8$ | 159/9 198/13 199/2 |
| 10th [1] 114/7 |  | 238 [1] 196/25 |
| 11 [18] 39/20 40/9 40/19 | 2 | $\begin{array}{llll}24 & {[2]} & 8 / 16 & 14 / 20\end{array}$ |
| $\begin{array}{llll}49 / 4 & 49 / 5 & 49 / 7 & 51 / 17\end{array}$ | 20 [4] 7/4 9/14 177/22 | $\begin{array}{lllll}25 & {[65]} & 7 / 4 & 7 / 18 & 9 / 13\end{array}$ |
| $\begin{array}{llll}51 / 17 & 51 / 23 & 53 / 12 & 53 / 13 \\ 53 / 13 & 54 / 19 & 55 / 12 & 55 / 20\end{array}$ | 202/22 | $\begin{array}{cccc}\text { 13/25 } & 14 / 16 & 14 / 17 & 17 / 6\end{array}$ |
| 53/13 54/19 55/12 55/20 60/4 65/1 194/15 | 20-something [1] 192/20 | 17/8 17/18 21/1 21/22 |
| 110 [1] 55/11 | 200 [1] 184/15 | 23/12 23/12 $23 / 13$ 24/21 |
| 112,263 [1] 82/7 | 200 feet [1] 145/10 | 24/22 24/23 24/23 26/5 |
| 113 [1] 4/3 | 200-foot [1] 147/9 | 26/8 27/1 27/19 27/20 |
| 114 [1] 60/11 | 2002 [1] 73/17 | 27/20 27/24 27/24 28/6 |
| 115 [2] 60/11 60/11 | 2004 [2] 132/4 171/10 | 30/15 30/19 35/23 37/1 |
| 116 [1] 60/12 | 2005 [10] 49/22 49/25 | 40/5 40/20 41/1 41/11 |
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| 118 [1] 60/13 | 53/1 53/4 53/5 54/1 | 49/13 $49 / 14$ 49/16 $49 / 17$ |
| 119 [1] 60/13 | 2006 [1] 69/20 | 49/19 51/23 53/13 55/9 |
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| 120 [2] 60/14 60/20 | 2016 [18] 71/24 72/6 | 60/20 60/21 60/21 177/20 |
| 121 [1] 60/20 | 73/12 73/17 102/17 | 177/22 180/19 |
| 122 [1] 60/21 | 102/21 120/4 120/13 | 25 miles [1] 186/21 |
| 127 [1] 60/21 | 120/14 120/17 $122 / 2$ | 250 [4] 147/7 183/25 |
| 128 [1] 60/21 | 122/11 122/22 123/1 | 183/25 184/3 |
| 13 [14] 8/3 8/8 14/1 | 130/17 130/18 131/1 | 250-plus [1] |
| $\begin{array}{lllll}23 / 12 & 30 / 15 & 30 / 19 & 35 / 8\end{array}$ | 2017 [8] 73/13 86/5 | $\begin{array}{llll} 27 & {[1]} & 99 / 6 & \\ 28 & {[2]} & 160 / 12 & 200 / 4 \end{array}$ |
| $\begin{array}{llll} 35 / 23 & 37 / 1 & 42 / 25 & 48 / 24 \\ 49 / 1 & 49 / 2 & 65 / 5 & \end{array}$ | $\begin{array}{ccccc}2017 & & 8] & 73 / 13 & 86 / 5 \\ 113 / 21 & 114 / 7 & 130 / 20\end{array}$ | 28 $[2]$ $160 / 12$ $200 / 4$  <br> 29 $[3]$ $86 / 3$ $86 / 6$ $89 / 3$ |
| 130 [1] 4/5 | 132/17 142/10 143/19 | 3 |
| 14 [15] 1/2 5/8 35/23 | 2018 [13] 1/23 5/1 96/17 | 3 |
| 44/8 46/9 49/13 49/17 | 103/2 103/6 103/12 105/5 | 30 [4] 8/2 177/15 193/15 |
| $\begin{array}{llll}49 / 18 & 60 / 11 & 60 / 20 & 62 / 23\end{array}$ | 106/8 106/12 $107 / 13$ | 194/18 |
| 65/7 100/22 105/24 128/6 | 108/2 113/18 113/23 | 30 miles [2] 177/20 |
| 14,000 [1] 103/11 | 2019 [1] 107/18 | 180/19 |
| 142 [8] 4/12 4/13 4/14 | 2021 [8] 93/24 94/1 95/9 | 300 [2] 121/12 181/25 |
| $\begin{array}{rllll} \\ 4 / 15 & 4 / 16 & 4 / 17 & 4 / 18 & 4 / 19\end{array}$ | 95/15 95/19 95/23 96/12 | 300 feet [4] 145/3 145/5 |
| 15 [8] 14/14 14/20 55/8 | 96/14 2036 [1] 111/23 | $145 / 5181 / 15$ 300 -foot [1] 181/16 |
| 56/20 60/7 100/22 133/6 | 20th [2] 143/19 198/5 | 32 [4] 8/2 8/8 186/12 |
| 135/2 | 21-7] 40/20 42/3 42/17 | 202/2 |
| $\begin{aligned} & 15 \text { feet [5] 179/4 179/11 } \\ & 187 / 13 \text { 192/3 192/9 } \end{aligned}$ | 42/21 43/1 $49 / 14$ 54/23 | 33 [1] 186/12 |
| $\begin{array}{\|cc} 187 / 13 & 192 / 3 \\ 192 / 9 \\ \text { 15-minute [1] } & 119 / 3 \end{array}$ | 21 million [2] 82/6 | 34 percent [3] 103/18 |
| 15-plus [1] 116/12 | 84/16 | 112/8 112/10 |
| 150 feet [2] 145/24 | 2100 [1] 2/23 | 35 [2] 177/15 186/9 |
| 185/7 | 214 [1] 2/23 | 35 miles [3] 193/16 |
| 150-foot [1] 147/12 | 215 [3] 134/21 136/17 | 194/18 195/7 |
| 16 [5] 8/16 16/21 42/19 | 175/1 | 35 percent [1] 122/16 |
| 47/14 99/12 | 216 [1] 165/8 | 36 feet [1] 181/2 |

23 [11] 7/4 $7 / 19$ 9/13
14/16 14/20 16/21 17/6
17/8 17/18 17/25 46/10
230 [6] 4/12 142/13
142/20 142/24 143/17
$\begin{aligned} & 198 / 13 \\ & 231 \text { [3] }\end{aligned}$
147/7
232 [2] 4/14 147/8
233 [2] 4/15 147/12
234 [2] 4/16 147/16
236 [3] 4/18 147/21
237 [8] $4 / 19 \quad 142 / 13$
142/21 142/24 152/1
159/9 198/13 199/2
238 [1] 196/25
24 [2] 8/16 14/20
25 [65] 7/4 7/18 9/13
$13 / 25$ 14/16 14/17 17/6
17/8 17/18 21/1 21/22
23/12 23/12 23/13 24/21
24/22 24/23 24/23 26/5
26/8 27/1 27/19 27/20
27/20 27/24 27/24 28/6
$\begin{array}{llll}30 / 15 & 30 / 19 & 35 / 23 & 37 / 1\end{array}$
40/5 40/20 41/1 41/11
43/4 44/4 44/8 46/9
49/13 49/14 49/16 49/17
49/19 51/23 53/13 55/9
55/10 55/10 55/11 55/11
57/11 57/18 60/11 60/12
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25 miles [1] 186/21
250 [4] 147/7 183/25
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30 miles [2] 177/20
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300 [2] 121/12 181/25
300 feet $[4]$ 145/3 145/5
145/5 181/15
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32 [4] 8/2 8/8 186/12
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33 [1] 186/12
34 percent [3] 103/18
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35 [2] 177/15 186/9
35 miles [3] 193/16
194/18 195/7
35 percent [1] 122/16
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| :---: | :---: | :---: |
| 360-degree [1] 168/15 | 506 [1] 4/23 | 162/1 162/13 164/1 |
| 369-2100 [1] 2/23 | 506-001 [1] 210/21 | 92 [3] 47/7 47/14 48/3 |
| $\begin{array}{lllll}37 & \text { [8] } & 8 / 13 & 14 / 13 & 14 / 14\end{array}$ | 507 [5] 4/24 197/10 | 9262 [1] 2/11 |
| 14/19 14/22 $15 / 11 \begin{array}{lll}16 / 21\end{array}$ | 197/11 197/13 197/18 | $\begin{array}{lll}93 & \text { [1] 48/3 } \\ 938-3838 & \\ \text { [1] }\end{array}$ |
| 198/11 | 507-001 [1] 210/21 51 [1] 76/10 | $\begin{array}{\|lccc} 938-3838 & {[1]} & 2 / 17 \\ 94 & {[6]} & 46 / 16 & 48 / 3 \end{array}$ |
| 3800 [1] 2/5 | 51.055 [2] 5/22 6/8 | $\begin{array}{llll} 48 / 23 & 49 / 1 & 49 / 7 \end{array}$ |
| 382 [1] 112/10 | 53 [1] 31/6 | 949-8200 [1] 3/5 |
| 382,000 [1] 111/25 | 53,000 [1] 89/13 | 95 [4] $47 / 18$ 49/13 $49 / 15$ |
| $\begin{aligned} & 3838[1] \\ & 385-6000 \quad 2 / 17 \end{aligned}$ | 54 [4] 24/22 $27 / 19$ 31/20 | 53/13 |
| 39 [7] 14/15 $14 / 20$ 14/20 | 40/3 | 95 percent [1] 92/20 |
| 17/5 17/8 17/18 17/25 | 55 [2] 24/22 27/19 | 952 [1] 121/15 |
| 3993 [1] 3/4 | 56 [2] 24/23 27/20 | 96 [12] 49/13 50/4 50/5 |
| 3:00 o'clock [1] 127/25 | 57 [2] 24/23 27/20 | 51/16 51/23 52/14 53/12 |
| 4 | 58 [4] 24/24 27/20 114/9 | 55/20 |
| 4 feet [1] 202/3 | 114/12 | 97 [6] 49/14 51/17 51/23 |
| 40 [7] 14/17 17/9 20/23 | 59 [1] 76/9 | 54/19 54/23 55/21 |
| 40/20 83/7 112/24 181/9 | 6 | 98 [4] 55/8 56/20 56/20 |
| 40-plus [1] 91/6 | 600 [1] 3/4 | 990,503 [1] 102/25 |
| 40-some [1] 70/4 | 6000 [1] 2/6 | 998,000 [1] 103/11 |
| $\begin{array}{lllll}400 & \text { [2] } & 2 / 16 & 146 / 4 \\ 400 & \text { let }\end{array}$ | 6385 [1] 2/16 | 9:00 o'clock [1] 133/3 |
| 400 feet [1] 156/19 41 [1] $40 / 20$ | 66 [1] 4/3 | 9:30 [3] 211/17 212/18 |
| $\begin{array}{llllll}41 & {[1]} & 40 / 20 & & \\ 42 & {[8]} & 24 / 21 & 26 / 5 & 26 / 8\end{array}$ | 69 [11] 76/8 76/9 76/12 | 213/2 |
| $\begin{array}{crlll} 42 & {[8]} & 24 / 21 & 26 / 5 & 26 / 8 \\ 40 / 4 & 40 / 21 & 41 / 1 & 67 / 2 \end{array}$ | 76/17 $77 / 16$ 109/7 109/19 | 9th [2] 25/18 130/18 |
| 67/4 | 115/2 | A |
| 43 [13] 14/17 17/3 17/3 |  | A-17-755977-C [1] 1/1 |
| 21/1 21/3 21/6 21/22 | 7 | a.m [2] 132/19 1 |
| $\begin{aligned} & 24 / 21 \quad 26 / 5 \quad 26 / 6 \quad 26 / 13 \\ & 40 / 5 \quad 41 / 2 \end{aligned}$ | 7 feet [2] 180/2 201/24 | Aberash [1] 64/15 |
| 44 [15] 14/17 20/21 | 70 [8] 28/8 28/9 39/19 | able [15] 10/18 12/6 |
| 20/24 21/3 21/22 23/1 | 39/20 40/9 40/19 40/21 | $\begin{array}{llll}12 / 16 & 26 / 17 & 34 / 11 & 37 / 12\end{array}$ |
| 23/9 26/17 27/1 27/2 | 111/21 | 38/21 56/12 72/23 92/2 |
| 27/24 28/6 28/6 28/9 | 702 [4] 2/6 2/11 2/17 | 115/17 124/20 125/11 |
| 28/9 | 3/5 | 162/3 162/10 |
| 45 [6] 17/25 23/11 $27 / 24$ | 708 [2] 1/25 213/21 | about [152] 6/7 7/7 8/17 |
| 28/7 28/7 208/10 | $76 \text { [1] } 194 / 3$ | $\begin{array}{lllll} 13 / 12 & 13 / 15 & 13 / 21 & 14 / 14 \end{array}$ |
| 450 feet [8] 146/4 | 79 [9] $71 / 10$ 41/11 $42 / 3$ | $\begin{array}{lllll}15 / 8 & 16 / 11 & 16 / 17 & 18 / 8\end{array}$ |
| $\begin{array}{llll}149 / 18 & 150 / 11 & 156 / 21\end{array}$ | $\begin{array}{llllllllll} \\ 42 / 3 & 42 / 17 & 43 / 4 & 43 / 6\end{array}$ | $\begin{array}{lllll}19 / 16 & 19 / 22 & 20 / 1 & 20 / 12\end{array}$ |
| 167/15 180/12 201/20 | 43/17 44/4 | $\begin{array}{llll}19 / 16 & 1 / 17 & 24 / 16 & 24 / 19\end{array}$ |
| 450ish [1] 149/3 | 8 | $\begin{array}{llllll}30 / 8 & 30 / 16 & 30 / 23 & 32 / 20\end{array}$ |
| 46 [3] 23/3 23/12 28/7 |  | $\begin{array}{llll}33 / 20 & 33 / 21 & 34 / 6 & 34 / 9 \\ 34 / 9 & 34 / 14 & 34 / 16 & 35 / 13\end{array}$ |
| 47 [3] 23/5 23/12 $28 / 7$ | $\begin{aligned} & 8 \text { percent [1] 103/18 } \\ & 8-15 \text { [1] 60/7 } \end{aligned}$ | $34 / 9$ 34/14 34/16 35/13 <br> $35 / 25 \quad 36 / 25 \quad 38 / 18 \quad 38 / 21$ |
| 48,000 [1] 69/18 | 8.2 percent [1] 103/23 | $39 / 7 \quad 40 / 15 \quad 41 / 3 \quad 41 / 13$ |
| $\begin{array}{lllllll} & 49 & 7] & 28 / 7 & 30 / 15 & 30 / 17\end{array}$ | 80 [2] 43/4 44/5 | $\begin{array}{lllll} \\ 41 / 24 & 41 / 25 & 44 / 14 & 45 / 6\end{array}$ |
| $\begin{array}{llllll}30 / 18 & 35 / 7 & 35 / 23 & 37 / 1\end{array}$ | 81 [2] 44/8 46/9 | 45/23 $46 / 2447 / 16$ 51/2 |
| 4:50 [1] 213/9 | 810 [1] 2/10 | 52/19 53/17 55/14 57/6 |
| 5 | 82 [1] 46/9 | 60/19 61/14 62/11 65/20 |
| 50 [10] 12/16 24/22 | 820 [1] 99/1 | 68/18 68/20 70/8 70/12 |
| $\begin{array}{rlll} \\ 26 / 21 & 28 / 7 & 30 / 22 \quad 30 / 22\end{array}$ | 8200 [1] 3/5 | 71/20 75/15 $76 / 8 \quad 78 / 21$ |
| $\begin{array}{lllll}35 / 8 & 35 / 24 & 186 / 25 & 187 / 4\end{array}$ | 829 [1] 99/1 | 78/21 79/20 82/11 85/12 |
| 50 feet [5] 144/25 | 83 [1] 46/15 | 89/18 89/24 92/3 92/17 |
| 146/11 147/19 150/21 | 83,000 [1] 106/23 | 93/2 95/9 96/3 100/22 |
| 199/13 | 8750 [1] 2/21 | 103/7 103/15 103/18 |
| 50 miles [1] 181/9 | 89 [2] 48/14 48/15 | 105/17 107/23 108/24 |
| 50-foot [1] 165/14 | 89101 [1] 2/11 | 112/8 113/16 114/2 114/5 |
| 503 [7] 4/20 197/5 197/8 | 89118 [1] 2/17 | 115/4 118/7 118/20 |
| 197/9 197/11 197/13 | 89169 [2] 2/5 3/5 | 121/18 126/4 126/14 |
| 197/17 | 8:30 [1] 133/3 | 126/23 126/25 129/20 |
| 503-001 [1] 210/21 | 9 | 132/11 133/3 134/6 |
| 504 [1] 4/21 | 900 [1] 102/24 | $\begin{array}{llll}140 / 23 & 143 / 19 & 143 / 24\end{array}$ |
| $\begin{aligned} & 504-001 \text { [1] 210/21 } \\ & 505[1] \\ & 5 / 22 \end{aligned}$ | 91 [1] 4/3 | 143/25 146/4 147/14 |

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CASE NO. A-17-755977-C
DEPT. NO. 14
DOCKET U

KEON KHIABANI and ARIA ) KHIABANI, minors by and ) through their natural mother, ) KATAYOUN BARIN; KATAYOUN BARIN, individually; KATAYOUN BARIN as Executrix of the Estate of Kayvan Khiabani, M.D. (Decedent) and the Estate) of Kayvan Khiabani, M.D. (Decedent),

## CLARK COUNTY, NEVADA

APPEARANCES :
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LAS VEGAS, NEVADA, FRIDAY, MARCH 2, 2018;

PROCEEDINGS
(The following proceedings were held outside the presence of the jury.)

THE MARSHAL: All rise. Department 14 is now
in session with the Honorable Adriana Escobar
presiding.
THE COURT: Good morning.
MR. BARGER: Judge, can counsel approach the bench real quick? Take about ten seconds.

THE MARSHAL: Please be seated. Come to order.
(A discussion was held at the bench, not reported.)

THE COURT: All right. Let's see.
MR. BARGER: So -- so you'll -- Will. Will.
(A discussion was held at the bench, not reported.)

THE MARSHAL: Are we ready, Your Honor? THE COURT: We are waiting on a couple of counsel.

Okay. Are we ready for the jury?

MR. TERRY: Yes, Your Honor.
THE MARSHAL: All rise.
(The following proceedings were held in the presence of the jury.)

THE MARSHAL: All the jurors are present,
Your Honor.
THE COURT: Okay. Very good.
THE MARSHAL: Please be seated. Come to order.

THE COURT: Call the roll.
THE COURT CLERK: Yes, Your Honor.
Byron Lennon.
JUROR NO. 1: Here.
THE COURT CLERK: John Toston.
JUROR NO. 2: Here.
THE COURT CLERK: Michelle Peligro.
JUROR NO. 3: Here.
THE COURT CLERK: Raphael Javier.
JUROR NO. 4: Here.
THE COURT CLERK: Dylan Domingo.
JUROR NO. 5: Here.
THE COURT CLERK: Aberash Getaneh.
JUROR NO. 6: Here.
THE COURT CLERK: Jaymi Johnson.
JUROR NO. 7: Here.

THE COURT CLERK: Constance Brown. JUROR NO. 8: Here.

THE COURT CLERK: Enrique Tuquero.
JUROR NO. 9: Here.
THE COURT CLERK: Raquel Romero.
JUROR NO. 10: Here.
THE COURT CLERK: Pamela Phillips-Chong.
JUROR NO. 11: Here.
THE COURT CLERK: Gregg Stephens.
JUROR NO. 12: Here.
THE COURT CLERK: Glenn Krieger.
JUROR NO. 13: Here.
THE COURT CLERK: Emilie Mosqueda.
JUROR NO. 14: Here.
THE COURT CLERK: Thank you.
THE COURT: Okay. Do the parties stipulate to the presence of the jury?

MR. TERRY: We do, Your Honor.
MR. KEMP: Yes, Your Honor.
THE COURT: Ladies and gentlemen, I wanted to welcome you back this morning and thank you for your service. And there's also something I wanted to remind you of. It's absolutely great and wonderful if you're coming closer, which is natural.

But I want to remind you that you can talk
about other subjects when you're together. Absolutely nothing about the testimony or the case that's going on in here or discussing your notes. Okay? So anything that's even mildly or -- or anywhere close to anything that's happening in here or notes you have taken or witnesses, nothing can be discussed. Okay?

Does everyone understand that? I just wanted to remind you. All right. Very good.

Shall we begin? Go on.
MR. KEMP: Your Honor, we call Mr. Sherlock.
THE COURT: All right. Very good.
THE MARSHAL: Watch your step, sir. Remain standing and raise your right hand towards the clerk.

THE COURT CLERK: You do solemnly swear the testimony you're about to give in this action shall be the truth, the whole truth, and nothing but the truth, so help you God.

THE WITNESS: Yes.
THE COURT CLERK: Thank you. You may be
seated.
MR. KEMP: Good morning, ladies and gentlemen.

THE CLERK: And, sir, would you please state and spell your name.

THE WITNESS: Brian Sherlock, B-r-i-a-n,

S-h-e-r-l-o-c-k.
THE CLERK: Thank you.

## DIRECT EXAMINATION

BY MR. KEMP:
Q. Mr. Sherlock, will you tell the jury where you went to college.
A. University of Washington and North Seattle Community College.
Q. And how long did you do that?
A. Just under four years.
Q. Okay. Did you become a bus driver after that?
A. During.
Q. Okay. And approximately when did you become a bus driver?
A. 1979 .
Q. Are you a member of the bus driver union?
A. Yes.
Q. And when did you become a member of the bus
driver union?
A. 1979 .
Q. What union is that?
A. The Amalgamated Transit Union.
Q. And can you explain to the jury what the

Amalgamated Transit Union is?
A. Yeah. It's the largest of the transit unions in North America, representing roughly 100 different job classifications, basically everybody who does transit up to low-level supervision in some cases.
Q. Bus drivers are members of that union?
A. Absolutely.
Q. And when you were with the union, did you participate in union activities?
A. Yes. For a few decades I've been doing health and safety work.
Q. Okay. Does the union have a safety committee?
A. There are a couple. And yes.
Q. And were you involved in the safety committee?
A. Yes. Both types. The one that was -- had a base and the one that was overseeing safety issues for the entire organization.
Q. Just in -- in what part of the country were you in when you first started driving bus?
A. This is King County Metro, so Seattle basically.
Q. And what does the safety committee do?
A. Oversees all aspects of safety from vehicle
characteristics and design choices through operational details.
Q. And what was your position with the safety committee?
A. At the base level, I was elected to do that, operate -- looking at issues that are particular to that operational base. And then I was appointed to the joint safety committee, which was the general manager and division managers and the union president and his designees, and we'd oversee things that weren't resolved at the local level.
Q. Did you hold a position with the safety committee?
A. Yeah. I was the chairman of our safety committee, and there -- yeah, just a member of the local committee.
Q. And how long were you the safety committee chairman?
A. Roughly two decades.
Q. 20 years?
A. Uh-huh.
Q. Yes?
A. Yes.
Q. Okay. Did you investigate bus accidents in your job as chairman of the safety committee?
A. Many.
Q. When you say many, how many?
A. Hundreds.
Q. Okay. And what sort of safety issues did you analyze when you were the chairman of the safety committee?
A. It's quite a list. I looked at every single operational control, every aspect of safe vision, air quality, cognitive loading. Just a wide, wide array, about everything that -- the highlight issues of operating safe -- transit safely.
Q. And was aerodynamics one of those issues?
A. Yes.
Q. Were right-side blind spots one of those issues?
A. Certainly.
Q. Okay. And did there come a time that you changed from a regional position to an international position?
A. Yes. My -- the international president noticed the work that I'd been doing and, increasingly over the years, had asked me to represent in various states where there were serious issues.

And then in 2015, I came on full-time, moved from Seattle to Washington, D.C., and have been doing
health and safety for North America subsequently.
Q. Okay. And why did you go to Washington, D.C.?
A. It was better to integrate my activities with the other folks that are doing that in the international. Doing it remotely was really a pain, and --
Q. Where -- where are ATU headquarters at?
A. It's Silver Spring, basically Washington,
D.C.
Q. Silver Spring, Maryland?
A. Yes.
Q. That's where the ATU is located at?
A. The ATU international, yes.
Q. You mentioned the president of the international?
A. Yes. Larry Hanley.
Q. Okay. All right. Since you moved back to
D.C., have you continued to investigate bus accidents?
A. Yes.
Q. And have you analyzed design issues?
A. Yes. We're really actively involved in trying to change the industry to make it safer.
Q. When you say "we," you're referring to whom?
A. The Amalgamated Transit Union.
Q. Are you a member of any industry groups?
A. I'm a member of the APTA. That's the American Public Transit Association, the industry association looking out over municipal transit, that sort of thing. I'm a member of their safety committee.
Q. And how long have you been a member of that committee?
A. Roughly ten years. Something like that.
Q. Okay. And, again, are you familiar with right-side blind spot issues?
A. Extremely.
Q. And you said you're familiar with the aerodynamics issues.
A. Yes.
Q. Leaving this case aside, have you been involved in other bus accident cases involving aerodynamics issues?
A. Yes.
Q. Can you tell me about those cases.
A. One example was a bicyclist who was -- this is in the city of Seattle, a very dense urban area right next to the university. And a bicyclist was riding along on a two-lane street and a bus was following him and didn't have a good opportunity to pass for a very long time.

And then the lanes split as the road became two roads, and that yielded a wide lane. And the bus driver took the opportunity to pass. And even though he had left a large space, the bicyclist ended up running into the side of the bus and reported that he had no idea what happened; he just rode into the side of the bus.
Q. And why did that involve aerodynamic issues?
A. That was the -- that was driven by what's called leading-edge suction. There's a partial vacuum formed by the poor aerodynamics of the front. These things are very square; they're not slightly rounded on all the surfaces like a car. And that causes a low-pressure zone that pulls people in. It first pushes them, and then it pulls them in.

MR. KEMP: Okay. Your Honor, we tender Mr. Sherlock as a bus safety expert with an emphasis on blind spots and aerodynamics.

MR. TERRY: No objection, Your Honor.
THE COURT: All right. Very good.
BY MR. KEMP :
Q. How many people are in the ATU again?
A. Just under 200,000.
Q. And most of them are bus drivers?
A. That's the largest classification.
Q. Okay. And is the ATU part of any other union federation?
A. AFL.
Q. What does that stand for?
A. American Federation of Labor.
Q. Why is the ATU concerned about safety?
A. It's a broad array. It's -- it's a common good. Our members benefit. The public benefits. It's sort of a moral thing to do. I actually spend most of my time trying to defend the interests of the public at large.
Q. Does the ATU have a description for buses that they believe is poorly designed?
A. Yes.
Q. What do they call them?
A. Oh, they -- the international president, being kind of outraged about this, has called them massive mobile manslaughter machines.
Q. Okay. And why is a poorly designed bus a massive -- potentially a massive mobile manslaughter machine?
A. These have not progressed in terms of engineering in the way that cars have. They haven't gotten safer over the years in the same way. Enormous blind spots have been allowed, where you can hide a
dozen pedestrians across an intersection. And you get these synergies of motion of the pedestrian and the blind spots.

So imagine the pillar in your car being 1.7 feet wide, for example. And you can reach out and touch this. It's a 3 feet away from you, very roughly. And I've had a couple of fatalities recently. They were 1.7 feet wide at the blind spot, and that just tracked the pedestrian like a cruise missile. High base of the windows. In places like New York --
Q. Before -- there are different kinds of vision problems in buses, potentially?
A. Yes.
Q. And can you just say, in general, what kinds there are?
A. Another common one -- you see these fatalities commonly in New York, New Jersey where the high base of the windows on this kind of over-the-road bus will allow jaywalkers -- there's tons of jaywalkers in that area -- to walk right in front of the bus and not be seen because the windows are taller than the pedestrian. It's unnecessary and lethal.
Q. Have you looked at the Red Rock video in this case?
A. Yes.
Q. And have you also looked at the Red Rock stills of the video?
A. Yes.

MR. KEMP: Okay. Let me just show the stills for me, just going through them real slow, please, Shane. Next one. Next one. Please. That's it. Okay.

BY MR. KEMP :
Q. Is there anything significant in these stills, to your opinion?
A. Absolutely. This is the best evidence for exactly what had occurred as Dr. Khiabani was -contacted the bus.
Q. Okay. And what is significant about them?
A. It shows the relationships between them. The accident reconstructionist were able to accurately determine the speed of both, the paths of both over this short interval. But it's the critical interval, so this is very valuable information.
Q. And what does that indicate as concerning whether the doctor was traveling horizontal or parallel?
A. Roughly parallel.
Q. And why is that important?
A. The question boils down to did the doctor
steer into the bus or was he pulled in by aerodynamic forces? And the fact that they're both going roughly parallel argues strongly that the fundamental cause of this was bad aerodynamic design.
Q. Okay. And what does this indicate with regards to right-side blind spots, if anything?
A. It shows that Dr. Khiabani -- excuse me -was within an area that's an extremely obstructed view. Because of the high base of the window and overly large pillars and an obstructed view out the door, it was very hard for the driver to see very much of the bicyclist at all.
Q. Okay. And do you have an opinion as to whether or not the $\mathbf{J} 4500$ bus in this case has a right-side visibility problem?
A. Yes.
Q. What is your opinion?
A. It's extremely bad and extremely unnecessary.

It takes very little to lower the windshield base so that you can see down better. It takes very little to make the pillars thinner. The structural element in there that you can't change is only about that big (witness indicating), and the rest can be changed, intelligently designed so you have unobstructed vision. Doors are available that are all glass. And you'll see
that this has large obstructions.
And all of that would help you. Especially off in this peripheral area of your view, it's extremely important to have really unobstructed vision, and it's trivial to do it.
Q. Have you investigated other fatality cases involving MCI buses where there were front and side visibility problems?
A. Yes.
Q. And can you tell the jury about some of those cases.
A. One was a elderly woman who jaywalked, as I was talking about the problem in New York and New Jersey. This elderly woman walked in front, came between traffic waiting at a light. And the vehicles were very tall -- 6 feet -- and she wasn't.

So she steps from behind these vehicles right in front of the bus, and now she's behind the pillar on the left, which is very similar to the pillar on the right. And the mirror and the high base of the window, she was unseen and crushed.
Q. What kind of bus was that?
A. MCI.
Q. What kind of MCI bus?
A. That I believe -- I'm not exactly sure of the
model number. I've looked at it and looked at the sight-line issues, measured them and all of that, but I didn't pay attention to the model number on that one, unfortunately.
Q. Okay. That's the New York case?
A. Yes. Overall, it's extremely similar to this bus.
Q. Is there -- have you been involved in other cases with MCI buses where people got killed as a result of the right-side blind spot?
A. Not the right side, but similar problems on the left.
Q. Okay. What cases were those?
A. There's one --

MR. TERRY: Objection, Your Honor.
Relevance. Left side.
MR. KEMP: He just said it was -- we need to argue this, Your Honor?

THE COURT: Yes.
MR. KEMP: Do you want me to lay more foundation, Your Honor? I can do that.

THE COURT: All right. Sustained.
BY MR. KEMP:
Q. When you have a bus, you have two pillars in the front; right? Right?
A. Correct.
Q. And what are those called?
A. A-pillars. The pillars are labeled A, B, C, D as you go back along the vehicle.
Q. So the two in the front would be the A-pillar on the right side and the A-pillar on the left side?
A. Correct.
Q. Now, in the MCI bus, is the A-pillar the same size as the -- on the left side the same size as the one on the right side?
A. Roughly, yes.
Q. And are they made out of the same materials?
A. Roughly, yes.
Q. And have you looked at the A-pillars on this particular bus?
A. Yes.
Q. Is the left side of the A-pillar the same as the right side?
A. The right side has an additional structure from the door, so it's a bit wider.
Q. Okay. But, other than that, the left side is the same?
A. Correct.
Q. And you've actually looked at the structural -- structure of this particular bus?
A. Yes.

MR. KEMP: Shane, can I have the bus structure picture up, please. The bus structure picture, the one of the bus. I'm jumping ahead on you a little bit. Okay.

BY MR. KEMP:
Q. Mr. Sherlock, can you point out for the jury what the A-frame is, just so we we're absolutely clear here.

THE MARSHAL: Grab the mic for me. Sorry.
THE WITNESS: Yes. The A-pillar is this
structure here, and --
BY MR. KEMP :
Q. Now, let's go a little slower. The right-side A-pillar -- let's be real slow so we make sure everyone's got this in their mind.

Where is the right-side A-pillar on the J45?
A. This is it here.
Q. This is an actual $J 4500$ we've got?
A. Yes.
Q. Okay. Again, you went kind of fast. Why don't you just slowly outline the entire J-pillar --A-pillar.
A. This is it here (Witness indicating).
Q. Now, with regards to the left-side A-pillar,
where would that be?
A. It's a little obscured, but it's right here (witness indicating).
Q. Okay. And it's in the same location of the bus --
A. Yes.
Q. -- basically? It's got the same proportionality to the rest of the bus as the right side does?
A. Except for the addition of a frame element here that is a part of the door. It's not very easy to see. I think you can see it up here.
Q. Okay. All right. You can take a seat again.

All right. Back to the Rhode Island case.
Can you tell me what happened in the Rhode Island case?
A. Pedestrian was decapitated by a J4500. This was a left turn and --

MR. TERRY: Your Honor, objection.
MR. KEMP: Do you want to approach?
THE COURT: Yes. Please approach. (A discussion was held at the bench, not reported.)

BY MR. KEMP :
Q. Have you been involved in other cases where there's been visibility problems with the MCI buses?
A. Yes.
Q. And can you tell me about those.
A. There's a number where the ill-considered design of vision has resulted in a situation where the driver approaches an intersection and can see out the window; but, then as they get closer, this huge mirror and pillar structure on the left blocks the view of pedestrians, and --

MR. TERRY: Objection, Your Honor.
Relevance.
THE COURT: Overruled.
BY MR. KEMP:
Q. Where was that case at?
A. In New Jersey.
Q. And what happened in that case?
A. A pedestrian was run over by the rear wheels when the driver couldn't see her behind this pillar and mirror structure. So you've got problems on both sides on this bus. And they're related in that big areas of the space you're driving through are blocked from view, and in both directions you can lose track of pedestrians who are tracking with those blind spots.
Q. Okay. And before I forget, in the New Jersey case, did the person that was run over by the rear tires of the bus, did that bus have an S-1 Gard?
A. No, it didn't.
Q. Okay. All right. In general, do you have an opinion with -- with regards to whether the 2008 J 4500 is unreasonably dangerous?
A. I believe that it is.
Q. Okay. And with regards to the right side visibility problems, can you break those down into different areas for me, please.
A. Yes. We've discussed the height of the base of the window. It's just way too high. And you can --
Q. And so No. 1 is window design. We'll go through them. I just want to identify the four. Okay?
A. Oh, okay.
Q. No. 1 is window design?
A. Pillar design.

The door --
Q. Door design?
A. -- obstruction. And --
Q. No. 4?
A. Window, pillar, door ...
Q. Don't be nervous.
A. Yeah.
Q. Okay.
A. Dash.
Q. Okay.

Can I have my slide, please, Shane.
A. I was thinking of that as part of the window.
Q. Okay. So these are the four right-side visibility design problems we're going to talk about; right?
A. Yes.
Q. Okay. Now, with regards to the dash, can you explain to the jury what the dash is?
A. Yeah. Right behind the front surface of the bus, there's a dash that extends on the left where there's a -- a binnacle with all the instruments and that sort of thing, and that's the highest part of it. And that extends over to the right, where it's slightly lower but still very high off the ground. It's nearing 6 feet off the ground.
Q. And do we have a --

Can I have Sherlock Figure 1, please.
MR. GODFREY: What is Figure 1?
MR. KEMP: The dash -- the dash measurements.
MR. GODFREY: Figure 2.
MR. KEMP: Okay. Yeah, give me Figure 2.
MR. GODFREY: This is Figure 2.
MR. KEMP: Well, then give me figure ...
Can I have this one?
MR. TERRY: Excuse me, Your Honor. I need to
object. May we approach?
THE COURT: Yes.
(A discussion was held at the bench, not reported.)

THE MARSHAL: Please remain seated. Come to order.
(A discussion was held at the bench, not reported.)

MR. KEMP: Okay.
Shane, can I have that back up, please.
MR. GODFREY: With or without?
MR. KEMP: Let's do it without.
BY MR. KEMP :
Q. All right. You were discussing dash heights. Do you recall that?

Okay. Can you show the jury on this slide what is relevant with regard to dash heights.

THE MARSHAL: You need a mic also, sir.
THE WITNESS: Yeah.
This image is showing the right side of the bus. And the dash is in this area. We can't quite see it. I believe that's -- we can't really see the dash too well in this slide. But the -- the right side of the dash is up -- that's it, right in here (indicating).

BY MR. KEMP :
Q. Okay. Now, is the right side of the dash higher or lower than the left side of the dash that's in front of the driver?
A. Approximately 1 foot lower.
Q. And why is that? Why do they do that?
A. It's because of the dash binnacle, where the instruments are. You want to have a cowl over that so that the instruments are not subject to reflection and glare. And so that further extends it above just the height of the instruments. But it's about a foot.
Q. And with regards to the left side dash, how high is that on a J4500?
A. 7-foot-4, approximately.
Q. Okay. And the dash on the right side, what was that there?
A. It's roughly -- it's roughly a foot shorter. I don't remember the exact number.
Q. Okay. And do different buses have different dash heights?
A. Oh, certainly. Some of them are quite low.
Q. Okay.

And can I have Exhibit 198, please. 198?
THE COURT CLERK: Is it admitted?
MR. KEMP: No, it's not admitted.

BY MR. KEMP :
Q. Mr. Sherlock, can you take a look at Exhibit 198 and the bus dash depicted therein.
A. Yes.

MR. KEMP: Your Honor, I'd move to admit 198.
MR. TERRY: Your Honor, I have an objection to hearsay, but may we approach the bench?

THE COURT: Yes.
(A discussion was held at the bench, not reported.)

THE COURT: Ready.
MR. KEMP: Your Honor, we'd move to admit Exhibit 198 subject to the conversation we had.

THE COURT: All right.
MR. TERRY: Your Honor, we stand on the conversation that we had.

THE COURT: Okay. Very good. I'm going to admit this with respect to all the details we discussed at the bench, Mr. Kemp.
(Whereupon, Plaintiffs' Exhibit 198 was admitted into evidence.)

MR. KEMP: Thank you, Your Honor.
Shane, could you show the slide to the jury of the -- the two dashes. Just the -- just this one. /////

BY MR. KEMP :
Q. Okay. Mr. Sherlock, could you grab the pointer and show the jury the difference in the dash heights in these.
A. Yeah. The MCI is this line here. That's the highest one $I$ know of in the industry. And this, you can see, is quite a bit lower.
Q. And do you know what the bus is at the left?
A. Yeah, a BCI Falcon.
Q. Falcon 45?
A. Yes.
Q. And do you know the approximate date this is available, the one on the left?
A. 2007 .
Q. Okay. Now, can you explain again to the jury how the -- the dash goes down from right to left on the JCI4500?
A. Yeah.
Q. MCI 4500 -- MCI J4500. Okay.
A. Yes. This is the highest element, and then it slopes and levels off over on this side. It's a little hard to see because of the glare of the sky here. This is sort of similar. In descends.
Q. Okay. And why is there a safety concern, if there is, of a high dash as opposed to the lower dash?
A. Thank you.

If you have pedestrians walking in front or bicycling in front or whatever, it's much harder to see them if this dash is over 7 feet off the ground. The lower you can get this, the better. And there are buses where the base of the window opening in the dash are way down here.
Q. Lower than even the -- the BCI Falcon bus?
A. Exactly.
Q. Now, does the height of the dash affect right-side visibility?
A. Absolutely.
Q. Can you explain to the jury why the height of the dash would affect right-side visibility?
A. Well, Dr. Khiabani, for example, was riding and -- when he made contact in this rough area here. And having a huge dash makes it very hard to see him. There's only a tiny bit of him showing. And if the -this whole area here were designed with visibility and safety in mind, that would not be the case. And there are safe buses out there where you can -- you have essentially no blind spot.
Q. Okay. And you said that the JCI -- excuse me -- the MCI J4500 dash is -- is -- how does it compare with the others in the industry?
A. It's the tallest I've ever measured, and I've been measuring quite a few of them.
Q. Okay. And when you say tallest you've ever measured, have you measured its competitors, the MCI competitors?
A. Yes.
Q. And can you give the jury some of the competitors you've measured?
A. Oh, it's -- I've -- every time I've come across one here and in Europe, I've measured. There's just a huge number of them. Setra, Prevost would be the big competitors here in the states. And there's a wide array of -- some of them, I didn't even recognize in Europe. And they're all lower.
Q. Okay. And Setra is made by whom?
A. It's a Mercedes division.
Q. Okay. And -- and the other one you
mentioned?
A. Prevost is a Volvo division.
Q. And is the Mercedes bus dash higher or lower than the J4500?
A. Lower.
Q. Okay. And is the Volvo bus dash higher or lower than the 4500?
A. Lower.
Q. Now, go ahead and take your seat.

The second thing you talked about was
A-pillar design.
Can I have my slide back again.
Okay. The first one is dash design. Okay?
And -- and it's up to the designer how high or low the dash is; correct?
A. Correct.
Q. Okay. And with regards to A-pillar design, can you tell the jury what you mean by that?
A. That's the opaque structure in the right and left front corners of the vehicle.
Q. Okay. And how does that affect vision? Let's just stick with the right-side A-pillar. How does that affect vision?
A. Well, anytime that pillar gets wider than the space between your eyes, it forms a widening wedge that's obscure. And across intersections and that sort of thing, it becomes fairly enormous. Many people can be hidden.
Q. Okay. Are there ways to make it less wide?
A. Absolutely.
Q. And can you give me -- can you give me an example?
A. It can be designed much like buses in the
past, back in the -- even the '20s and '30s, these structures were quite small, but they had roughly similar structural steel elements in them that support the roof and other loads.

What's been done is adding window seals that could be eliminated. You can glue in the windows.
Q. Let's stick with the metal pillar just for a minute. Okay?
A. Okay. If you stick with just the metal, and you don't need to do anything more in terms of width, then it will be a much less hazardous structure. You can ...
Q. Okay. In this particular case, is the A-pillar square?

Can I have the structural drawing again of the bus.

The A-pillar that comes down, is that square or is that rectangular?
A. The box section metal tubing inside there is --
Q. Show the jury what you mean by box.
A. The metal framework that this -- all of this structure is made of is rectangular box section steel tube. And --
Q. And what do you mean by that? It's -- it's
longer on one side than it is on the other?
A. Yeah. It's -- it's a scaled-down version of this kind of a shape.
Q. Okay. And which do they put the widest part at? On this bus, where is the widest part of the rectangle on the A-pillar?
A. In most of these, it's oriented with the longest dimension this way. So it's across the operator's sight lines. If you orient these radially, as some buses do, so that the various elements are arranged like my fingers pointing away from my face, that doesn't cause a problem. But the same structures arrayed this way makes a bad problem.
Q. And does -- is the $J 4500$ arrayed that way?
A. Yes, in regard to many of the elements in this frame.
Q. Okay. And with regards to the A-pillar, is it arrayed this way?
A. Precisely.
Q. Okay. And are other buses designed this way, so there's less obstruction?
A. Yes. They're arranged radially with respect to the driver's eyes.
Q. And can you give the jury an example of a bus that's radially?
A. My favorite is a Mercedes product called the Setra. And it has no meaningful blind spots up in that driver's area. All of the elements, even the fairly large ones around the door, have their narrow side facing them so that it's the approximate width of the space between your eyes. As soon as you get wider than that, you start having a problem where the blind spot gets wider and wider with distance and becomes a hazard.
Q. And what model of Mercedes is that?
A. The Setra.
Q. Okay. And, basically, you look -- it's designed so -- so the -- the A-pillar is skinny, not fat, where you look?
A. Right. Basically, it's the width of the space between your eyes. So all it can hide at any distance is roughly my tie.
Q. So what you're saying is that MCI should have just flipped the A-pillar from this way to that way?
A. More or less. You -- there's a series of structures here. There's a wide rubber seal that doesn't need to be there. You can glue the window to the back side of the frame just like it is in your car. It's not actually legal to use this kind of a structure in a car, passenger car, because it threatens tossing
out the occupants.
And the frame can be turned so instead of being more -- the wide side toward you, it could be the narrow side toward you. And the door structure can be just all glass, so you don't need this structure. And, by the time you're done, you now have a structure that's the same physical strength but has no ability to block both eyes at any angle, meaning you have no blind angle.
Q. Okay. And where is the trim on the right A-pillar?
A. There's trim particularly around the outside. And I'm not certain of the treatment of the surface here.
Q. And trim, that's that black rubber stuff we see?
A. No, that's the window seal. The trim is plastic to dress the interior surface.
Q. Okay. And do other buses -- are other buses made not using trim -- or different types of trim?
A. The best of them use trim that doesn't extend beyond the sides of the metal framework so it doesn't contribute to a blind spot.
Q. Okay. And what is a rope seal?
A. The rope seal is how they hold in the
windows. They're designed to allow you to replace the windshield in ten minutes flat. And you can. It's kind of amazing. You just push on it, and it pops out.

And the reason it does that is the seal going all the way around the window holds it in with thin rubber lips. So if you cut that seal in half and look at the end, it's like an H. And the legs of the $H$ go over the -- the bodywork, usually fiberglass. And the arms of the $H$ half run the channel for the glass and -but that extends across your vision.

If you glue the window in with a glue line like in your car that's behind the frame structure, that bonding does not contribute to the additional blind spot.
Q. What do the European bus manufacturers do?
A. They bond them in.
Q. And, for example, what does Mercedes do?
A. They bond them in. You also can't toss out passengers so readily.
Q. What does Volvo do?
A. In Europe, they bond them.
Q. All right. So are those all your criticisms of the A-frame pillar design?
A. Yes.
Q. Okay. Now, why is a narrower A-pillar better
than a wider A-pillar?
A. Well, you can't hide some -- with a proper design, you don't hide anything aside from this narrow little strip about like my tie. But as the -- as the pillar gets wider than that critical distance between your pupils, then you start having really serious problems.
Q. Okay. And let's talk about the third point, door design.
A. Yes.
Q. Can you show the jury how the doors -- okay. Dash design, A-pillar design, door design; right?

Okay. Can you tell the jury what -- what you're -- what your criticism is of the door design of the MCI J4500?
A. Yeah. To keep this style line looking integrated, they've made this portion opaque. And that --
Q. And opaque, that's just a fancy --
A. You can't see through it.
Q. You can't see through it?
A. Yeah.

There's glass here and here, but this critical portion is not transparent. And doors are available where the portion that moves is just glass,
and that dramatically reduces the blind spots.
It also makes this pillar structure which is -- combined the A-pillar of the frame with the door. It makes that smaller because now you can put the door seal on the outside of this frame. And it's just like my fingers are right here. It's behind the framework, so it doesn't contribute anything to the width of that pillar.

And when you combine that with doing away with rope seal and all that, this visually disappears because of our having binocular vision.
Q. Okay. And with regard to the opaque portion of the door that you just described, how big is that?
A. I don't know precise dimensions, but it -- it hit a huge percentage of Dr. Khiabani.
Q. Okay. We're talking about 2 feet by 3 feet there? 2 feet by 4 feet? What are we talking?
A. I wouldn't want to hazard a guess. You're closer at your last estimate.
Q. We're talking feet, not inches?
A. Oh, of course. Yeah, it's very large.
Q. Okay. Now, with regards to the window design, do you have a criticism about that?
A. Yeah. The -- you can see in this engineer's drawing that they've made this part of this structure
transparent. They could do that in the actual bus so that you could retain this crash safety structure but you can see through this.

If you extend the -- yeah, there you go. If you extend the glass down to here (indicating) and allow vision through this structure, it would greatly improve safety or the visibility of Dr. Khiabani in the critical moments when he was sucked toward the bus.
Q. So they could have had more glass on the bottom of the -- bottom and the right-hand side of the window?
A. Precisely.
Q. Okay. And why would you want to do that?
A. For a number of reasons. You've got pedestrians that walk in front of this thing, and they can be very tall and remain unseen with the current design. This simple change would allow even very tiny folks to be seen.
Q. Okay. And do other bus makers drop their windows lower on the front and to the right side?
A. Yes, some of them are clear down to near your knees.
Q. And was that something that some bus makers were doing back in the '50s -- '50s, '60s?
A. In the '60s, yes.
Q. Can you give the jury an example?
A. Some of you might have seen the old GM fishbowls. They were called fishbowls because they looked like they were just all glass, and those things had an extremely low base to the window. And you could actually lean forward and see the front bumper. And it was one of these skinny little metal jobs that didn't stick out like these enormous rubber bumpers they're using today. You could actually see the bumper. So there was no way you could hide a person in front of one of those, for example.
Q. So the idea of having more glass for better visibility, is that new?
A. It's quite old.
Q. Okay. Now, does that finish your -- your four criticisms of the MCI design?
A. The only thing we haven't really covered is that if you combine this kind of a low -- daylight opening is what they call this, the -- with a dash that has a shape that allows you to see down here, for instance, if the -- how can we do this?

If I'm the driver and I'm sitting here and the dash structure is here, if you lower the front surface of that -- or the top surface of that so that it slopes down, then you're -- from your eyes reference
point here, you can see down to the base of the glass. There are also -- it's ubiquitous in Europe, essentially, that the dashboard --
Q. And ubiquitous means everywhere?
A. Everywhere, yeah.

Where the dashboard and the steering column comes back to you, to the driver, and that allows you a much improved sight line down over the dashboard. They're wonderful.
Q. Okay. So what you're saying is they could have tapered the -- the dash lower?
A. Much.
Q. To -- to give the driver a better sight line?
A. Yes. If combined with this -- a glass panel this size, you'd have vanishingly little blind spot.
Q. Have you looked at the rear tires of the J4500?
A. Yes.

MR. KEMP: Can I have some rear tires up
there?
MR. GODFREY: Is that admitted as an exhibit?
MR. KEMP: The answer is yes.
MR. TERRY: Your Honor, while he's looking for his exhibit, can we take a short break?

THE COURT: Certainly.

MR. KEMP: Sure, Your Honor. I have no problem.

THE COURT: Does the jury need a short break as well?

Do you stipulate to my not reading the admonishment if they go straight into the --

MR. TERRY: So stipulated.
MR. KEMP: Stipulated, Your Honor.
THE COURT: Okay.
Jerry, they can only go there. No one can
leave the front -- that room. Okay?
Let's take a ten-minute break.
THE MARSHAL: All rise. Ten-minute recess. (The following proceedings were held outside the presence of the jury.)

THE COURT: You can go ahead and close the door, Jerry.

Mr. Sherlock, do you need to take a comfort break?

THE WITNESS: I'm good.
THE COURT: Okay. Sure.
THE WITNESS: Thank you.
THE COURT: All right.
MR. KEMP: Ten minutes?
THE COURT: Ten minutes.

MR. BARGER: Thank you, Your Honor.
(Whereupon a short recess was taken.)
THE MARSHAL: Please be seated.
Department 14 is back in session.
THE COURT: Okay. Are we ready for the jury?
MR. KEMP: Yes, Your Honor.
MR. TERRY: May we approach the bench, Your
Honor?
THE COURT: Yes.
(A discussion was held at the bench, not reported.)

THE MARSHAL: Are you ready, Your Honor?
THE COURT: Yes, we're ready for the jury.
THE MARSHAL: All rise.
(The following proceedings were held in the presence of the jury.)

THE MARSHAL: All the jurors are present,
Your Honor.
THE COURT: Okay. Very good.
THE MARSHAL: Please be seated. Come to order.

THE COURT: Do the parties stipulate to the presence of the jury?

MR. KEMP: Yes, Your Honor.
THE COURT: Thank you.

Please go on.
MR. TERRY: I apologize. We do stipulate to the presence of the jury.

MR. KEMP: Okay. All right. Okay. Good? Okay. Yeah, can I have the picture of the rear tires, please.

BY MR. KEMP:
Q. Okay. Mr. Sherlock, have you looked at the rear tires of the J4500?
A. Yes, I have.
Q. And the bus to the left is a what?
A. BCI Falcon 45.
Q. I guess that's what the BCI in the back means?
A. Yes.
Q. All right. And do you see the difference between the -- the way the rear tire assembly, or whatever you want to call it, is designed?
A. Yes.
Q. And can you explain to the jury what that difference is?
A. There's a skirt or a panel that extends down between the wheels in the BCI, and that does not occur in the MCI.
Q. Okay. And would this be the -- the area
you're calling a skirt?
A. Yes.
Q. Is it also called a strut?
A. It could be.
Q. Okay. And what is that made out of?
A. I actually don't know with certainty. It's the same material as the side of the bus.
Q. Okay. And other than the BCI Falcon 4500 -well, first of all, why do some buses have two wheels in the back rather than one?
A. It improves ride quality.

MR. TERRY: Excuse me, Your Honor.
Objection. I think it's outside the scope of his expertise to discuss why a bus manufacturer would include a certain number of tires.

MR. KEMP: I'm not criticizing. I'm just trying to explain it. I don't care. I will withdraw, Your Honor.

THE COURT: Lay a foundation. Sustained. BY MR. KEMP:
Q. Okay. Assuming for the sake of argument there's a reason, do other bus manufacturers have struts or side skirts?
A. Yes.
Q. Okay. And can you give the jury some
examples?
A. You see some here in Las Vegas, I believe. The Icarus has extensive skirt, and --
Q. Stop. What is an Icarus?
A. It's a bus that's in -- that's been used here in Las Vegas.
Q. And Icarus is the name of the bus?
A. Yeah, the manufacturer.
Q. That's the name of the manufacturer?
A. Yeah.
Q. Okay. And does that have two tires like the BCI and the J4500?
A. I'm assuming so, but I don't want to -- I'm not absolutely certain.
Q. Okay. We've talked about right-side blind spots; right?
A. Yes.
Q. And you've given us your opinion that the J4500's dangerous because of the right-side blind spot problem?
A. Correct.
Q. Are there safety devices that help overcome right-side blind spot problem?
A. Yes.
Q. What are those?
A. There's an assortment: radar, lidar, ultrasonic, and camera-based.
Q. Okay. And, generally, are they all lumped under some terminology?
A. Pedestrian detection is one.
Q. Okay. We've used the terms lidar. And what was the other one you used?
A. Radar.
Q. And without getting into a lot of detail, can you tell the jury what lidar and radar are?
A. Yeah. Lidar is basically taking a laser, like a laser pointer, and they scan that across the scene, and they measure the amount of time it takes to come back at every angle. And so they can use these things to create maps of the scene. Everything you can see with your eyeball where that thing is, it can map the distance and angle to it.
Q. What's radar?
A. Radar is very -- it performs a similar task but with a different frequency. It's radio frequency, and it can measure the distances and angles to objects.
Q. Okay. And how do these safety devices help overcome the right-side blind spot problem?
A. They can determine that there's been established a path of collision between the vehicle
you're driving and something else and -- whether it's pedestrian or another vehicle. And it can alert you to that hazard where, if things continue as they are, there will be a collision.
Q. And can you give me an example of a radar-type system that could be used with buses?
A. Yeah, there's a number of them. Eaton would be an example.
Q. Okay. Eaton is spelled $\mathrm{E}-\mathrm{a}-\mathrm{t}-\mathrm{o}-\mathrm{n}$ ?
A. Correct.
Q. Is that the VORAD system?
A. Yes.
Q. Okay. And can you tell the jury what the Eaton system is in view of radar or lidar, whatever other words you're using?
A. Yeah. It can provide alerts to the presence of other vehicles and objects, like pedestrians, in your path, and it can apply the brakes to improve the time to deceleration. If a person has to wake up to, oh, I'm getting an alert, and then step on the brake, that takes a considerable amount of time. This can speed that process up.
Q. Okay. And the Eaton system, have you examined when the patent was filed?
A. 1998 .
Q. And were Eaton systems, side systems available for buses -- when were Eaton -- are Eaton side systems available for buses?
A. 2005 .
Q. Okay. They've been available since that time?
A. Yes.
Q. Okay. Now, how far does the Eaton system extend in terms of how far its detectability goes out?
A. Oh, it's a very long ways. 350 feet.
Q. Okay. And with regards to the side system, how far does that go?
A. It's at least 20 feet. I don't recall the exact dimension.
Q. So if it's 20 feet, the bike lane in this case is how wide, if you know?
A. $\quad 41 / 2$ feet.
Q. And the -- the right turn lane is how wide, if you know?
A. I believe it's 12 feet.
Q. Okay. So 12 and $41 / 2$ is $161 / 2$ ?
A. Uh-huh, correct.
Q. So 20 feet is farther than that?
A. Correct.
Q. Okay. Now -- and the Eaton system is
sometimes referred to as a proximity sensor?
A. Correct.
Q. Okay. Do other buses, even the J -- first of all, the 54500 does or does not have a proximity sensor?
A. This one did not.
Q. And do other buses have proximity sensors?
A. They could be added to anything.
Q. Did other buses have proximity sensors?
A. Yeah. Certainly, the BCI did.
Q. And when did that come out?
A. '07.
Q. 2007?
A. 2007, correct.
Q. Okay. Let's flip over to aerodynamics briefly.
A. Uh-huh.
Q. Have you studied aerodynamic issues with regards to buses?
A. Absolutely.
Q. Okay. I don't want to get deep on this because we have an aerodynamic engineer coming.

But what have you done with regards to aerodynamics?
A. We had a problem in Seattle that's common,

