#### Case No. 78701

### In the Supreme Court of Nevada

MOTOR COACH INDUSTRIES, INC.,

Appellant,

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.

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#### APPEAL

from the Eighth Judicial District Court, Clark County The Honorable Adriana Escobar, District Judge District Court Case No. A-17-755977-C

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D. LEE ROBERTS (SBN 8877)
HOWARD J. RUSSELL (SBN 8879)
WEINBERG, WHEELER,
HUDGINS, GUNN & DIAL, LLC
6385 S. Rainbow Blvd., Ste. 400
Las Vegas, Nevada 89118
(702) 938-3838

Daniel F. Polsenberg (SBN 2376)
Joel D. Henriod (SBN 8492)
Justin J. Henderson (SBN 13,349)
Abraham G. Smith (SBN 13,250)
Lewis Roca
Rothgerber Christie Llp
3993 Howard Hughes Pkwy, Ste. 600
Las Vegas, Nevada 89169
(702) 949-8200

DARRELL L. BARGER (pro hac vice)
MICHAEL G. TERRY (pro hac vice)
HARTLINE BARGER LLP
800 N. Shoreline Blvd.
Suite 2000, N. Tower
Corpus Christi, Texas 78401

JOHN C. DACUS (pro hac vice)
BRIAN RAWSON (pro hac vice)
HARTLINE BARGER LLP
8750 N. Central Expy., Ste. 1600
Dallas, Texas 75231

Attorneys for Appellant

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32	Appendix of Exhibits to Defendant's	12/07/17	7	1584–1750
	Motion in Limine No. 7 to Exclude		8	1751–1801
	Any Claims That the Subject Motor			
	Coach was Defective Based on Alleged			
	Dangerous "Air Blasts"			
34	Appendix of Exhibits to Defendants'	12/07/17	8	1817–2000
	Motion in Limine No. 13 to Exclude		9	2001–2100
	Plaintiffs' Expert Witness Robert			
	Cunitz, Ph.D., or in the Alternative, to			
	Limit His Testimony			

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

9	Defendant Sevenplus Bicycles, Inc. d/b/a Pro Cyclery's Demand for Jury Trial	06/30/17	1	137–139
19	Defendant SevenPlus Bicycles, Inc. d/b/a Pro Cyclery's Motion for Determination of Good Faith Settlement	09/22/17	2	313–323
31	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	7	1572–1583
20	Defendant's Notice of Filing Notice of Removal	10/17/17	$\frac{2}{3}$	324–500 501–586
55	Defendant's Reply in Support of Motion in Limine No. 17 to Exclude Claim of Lost Income, Including the August 28 Expert Report of Larry Stokes	01/22/18	12	2794–2814
53	Defendant's Reply in Support of Motion in Limine No. 7 to Exclude Any Claims that the Subject Motor Coach was Defective Based on Alleged Dangerous "Air Blasts"	01/22/18	12	2778–2787
71	Defendant's Trial Brief in Support of Level Playing Field	02/20/18	19 20	4748–4750 4751–4808
5	Defendants Michelangelo Leasing Inc. dba Ryan's Express and Edward Hubbard's Answer to Plaintiffs' Amended Complaint	06/28/17	1	81–97
56	Defendants Michelangelo Leasing Inc. dba Ryan's Express and Edward Hubbard's Joinder to Plaintiffs' Motion for Determination of Good Faith Settlement with Michelangelo Leasing Inc. dba Ryan's Express and Edward Hubbard	01/22/18	12	2815–2817
33	Defendants' Motion in Limine No. 13 to Exclude Plaintiffs' Expert Witness	12/07/17	8	1802–1816

	D.1. 4 C .'4 Dl. 1 41.			
	Robert Cunitz, Ph.d., or in the			
0.0	Alternative, to Limit His Testimony	10/00/15		0100 0100
36	Defendants' Motion in Limine No. 17	12/08/17	9	2106–2128
	to Exclude Claim of Lost Income,			
	Including the August 28 Expert			
	Report of Larry Stokes			
54	Defendants' Reply in Support of	01/22/18	12	2788–2793
	Motion in Limine No. 13 to Exclude			
	Plaintiffs' Expert Witness Robert			
	Cunitz, Ph.D., or in the Alternative to			
	Limit His Testimony			
6	Demand for Jury Trial	06/28/17	1	98–100
147	Exhibits G–L and O to: Appendix of	05/08/18	51	12705–12739
	Exhibits to: Motor Coach Industries,		52	12740–12754
	Inc.'s Motion for a Limited New Trial			
	(FILED UNDER SEAL)			
142	Findings of Fact and Conclusions of	03/14/18	51	12490–12494
	Law and Order on Motion for			
	Determination of Good Faith			
	Settlement (FILED UNDER SEAL)			
75	Findings of Fact, Conclusions of Law,	02/22/18	22	5315–5320
	and Order			
108	Jury Instructions	03/23/18	41	10242-10250
			42	10251–10297
110	Jury Instructions Reviewed with the	03/30/18	42	10303-10364
	Court on March 21, 2018			
64	Jury Trial Transcript	02/12/18	15	3537-3750
			16	3751-3817
85	Jury Trial Transcript	03/06/18	28	6883-7000
			29	7001-7044
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	33	8171-8250
			34	8251-8427
94	Jury Trial Transcript	03/15/18	34	8428-8500
			35	8501–8636
95	Jury Trial Transcript	03/16/18	35	8637-8750

			36	8751–8822
98	Jury Trial Transcript	03/19/18	36	8842-9000
			37	9001-9075
35	Motion for Determination of Good	12/07/17	9	2101–2105
	Faith Settlement Transcript			
22	Motion for Summary Judgment on	10/27/17	3	589–597
	Foreseeability of Bus Interaction with			
	Pedestrians or Bicyclists (Including			
	Sudden Bicycle Movement)			
26	Motion for Summary Judgment on	12/01/17	3	642–664
	Punitive Damages			
117	Motion to Retax Costs	04/30/18	47	11743–11750
			48	11751–11760
58	Motions in Limine Transcript	01/29/18	12	2998–3000
			13	3001–3212
61	Motor Coach Industries, Inc.'s Answer	02/06/18	14	3474–3491
	to Second Amended Complaint			
90	Motor Coach Industries, Inc.'s Brief in	03/12/18	32	7994–8000
	Support of Oral Motion for Judgment		33	8001–8017
	as a Matter of Law (NRCP 50(a))			
146	Motor Coach Industries, Inc.'s Motion	05/07/18	51	12673–12704
	for a Limited New Trial (FILED			
2.0	UNDER SEAL)	1010111	-	1 101 1 200
30	Motor Coach Industries, Inc.'s Motion	12/04/17	6	1491–1500
	for Summary Judgment on All Claims		7	1501–1571
1 4 5	Alleging a Product Defect	05/05/10	F 1	10045 10050
145	Motor Coach Industries, Inc.'s Motion	05/07/18	51	12647–12672
	to Alter or Amend Judgment to Offset			
	Settlement Proceed Paid by Other			
96	Defendants (FILED UNDER SEAL)  Motor Coach Industries, Inc.'s	03/18/18	36	8823–8838
90	Opposition to Plaintiff's Trial Brief	09/10/10	อบ	0020-0000
	Regarding Admissibility of Taxation			
	Issues and Gross Versus Net Loss			
	Income			
52	Motor Coach Industries, Inc.'s Pre-	01/19/18	12	2753–2777
	Trial Disclosure Pursuant to NRCP	01/10/10	1 <b>=</b>	
	16.1(a)(3)			
	· - (\alpha) (\cup)			L

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

	Defendants Filed Under Seal on			
4.0	March 26, 2019	01/00/10		
40	Notice of Entry of Findings of Fact	01/08/18	11	2581–2590
	Conclusions of Law and Order on			
	Motion for Determination of Good			
105	Faith Settlement	00/04/40		10007 10007
137	Notice of Entry of Findings of Fact,	02/01/19	50	12385–12395
	Conclusions of Law and Order on			
	Motion for Good Faith Settlement	0.11.01.0		10007 10071
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	06/22/17	1	77–80
	Without Prejudice Plaintiffs' Ex Parte			
	Motion for Order Requiring Bus			
	Company and Bus Driver to Preserve			
	an Immediately Turn Over Relevant			
	Electronic Monitoring Information			
	from Bus and Driver Cell Phone			
13	Notice of Entry of Order Granting	07/20/17	1	166–171
	Plaintiffs' Motion for Preferential Trial			
	Setting			
133	Notice of Entry of Stipulation and	10/17/18	50	12361–12365
	Order Dismissing Plaintiffs' Claims			
	Against Defendant SevenPlus			
	Bicycles, Inc. Only			
134	Notice of Entry of Stipulation and	10/17/18	50	12366–12370
	Order Dismissing Plaintiffs' Claims			
	Against Bell Sports, Inc. Only			
143	Objection to Special Master Order	05/03/18	51	12495-12602
	Staying Post-Trial Discovery Including			
	May 2, 2018 Deposition of the			
	Custodian of Records of the Board of			
	Regents NSHE and, Alternatively,			
	Motion for Limited Post-Trial			

	Discovery on Order Shortening Time			
	(FILED UNDER SEAL)			
39	Opposition to "Motion for Summary	12/27/17	11	2524 - 2580
	Judgment on Foreseeability of Bus			
	Interaction with Pedestrians of			
	Bicyclists (Including Sudden Bicycle			
	Movement)"			
123	Opposition to Defendant's Motion to	05/14/18	49	12039–12085
	Retax Costs			
118	Opposition to Motion for Limited Post-	05/03/18	48	11761–11769
	Trial Discovery			
151	Order (FILED UNDER SEAL)	03/26/19	52	12931–12937
135	Order Granting Motion to Dismiss	01/31/19	50	12371–12372
	Wrongful Death Claim			
25	Order Regarding "Plaintiffs' Motion to	11/17/17	3	638–641
	Amend Complaint to Substitute			
	Parties" and "Countermotion to Set a			
	Reasonable Trial Date Upon Changed			
	Circumstance that Nullifies the			
	Reason for Preferential Trial Setting"			
45	Plaintiffs' Addendum to Reply to	01/17/18	11	2654–2663
	Opposition to Motion for Summary			
	Judgment on Forseeability of Bus			
	Interaction with Pedestrians or			
	Bicyclists (Including Sudden Bicycle			
4.0	Movement)"	04/40/40		
49	Plaintiffs' Joinder to Defendant Bell	01/18/18	11	2735–2737
	Sports, Inc.'s Motion for			
	Determination of Good Faith			
4.1	Settlement on Order Shortening Time	01/00/10		0501 0011
41	Plaintiffs' Joint Opposition to	01/08/18	11	2591–2611
	Defendant's Motion in Limine No. 3 to			
	Preclude Plaintiffs from Making			
	Reference to a "Bullet Train" and to			
	Defendant's Motion in Limine No. 7 to			
	Exclude Any Claims That the Motor			
	Coach was Defective Based on Alleged			
	Dangerous "Air Blasts"			

	T			,
37	Plaintiffs' Joint Opposition to MCI	12/21/17	9	2129–2175
	Motion for Summary Judgment on All			
	Claims Alleging a Product Defect and			
	to MCI Motion for Summary			
	Judgment on Punitive Damages			
50	Plaintiffs' Motion for Determination of	01/18/18	11	2738–2747
	Good Faith Settlement with			
	Defendants Michelangelo Leasing Inc.			
	d/b/a Ryan's Express and Edward			
	Hubbard Only on Order Shortening			
	Time			
42	Plaintiffs' Opposition to Defendant's	01/08/18	11	2612–2629
	Motion in Limine No. 13 to Exclude			
	Plaintiffs' Expert Witness Robert			
	Cunitz, Ph.D. or in the Alternative to			
	Limit His Testimony			
43	Plaintiffs' Opposition to Defendant's	01/08/18	11	2630–2637
	Motion in Limine No. 17 to Exclude			
	Claim of Lost Income, Including the			
	August 28 Expert Report of Larry			
	Stokes			
126	Plaintiffs' Opposition to MCI's Motion	06/06/18	49	12104–12112
	to Alter or Amend Judgment to Offset			
	Settlement Proceeds Paid by Other			
	Defendants			
130	Plaintiffs' Supplemental Opposition to	09/18/18	50	12310–12321
	MCI's Motion to Alter or Amend			
	Judgment to Offset Settlement			
	Proceeds Paid by Other Defendants			
150	Plaintiffs' Supplemental Opposition to	09/18/18	52	12917–12930
	MCI's Motion to Alter or Amend			
	Judgment to Offset Settlement			
	Proceeds Paid by Other Defendants			
	(FILED UNDER SEAL)			
122	Plaintiffs' Supplemental Verified	05/09/18	49	12019–12038
	Memorandum of Costs and			
	Disbursements Pursuant to NRS			
	18.005, 18.020, and 18.110			

91	Plaintiffs' Trial Brief Regarding	03/12/18	33	8018–8025
	Admissibility of Taxation Issues and			
	Gross Versus Net Loss Income			
113	Plaintiffs' Verified Memorandum of	04/24/18	42	10375–10381
	Costs and Disbursements Pursuant to			
	NRS 18.005, 18.020, and 18.110			
105	Proposed Jury Instructions Not Given	03/23/18	41	10207–10235
109	Proposed Jury Verdict Form Not Used	03/26/18	42	10298–10302
	at Trial			
57	Recorder's Transcript of Hearing on	01/23/18	12	2818–2997
	Defendant's Motion for Summary			
	Judgment on All Claims Alleging a			
	Product Defect			
148	Reply in Support of Motion for a	07/02/18	52	12755–12864
	Limited New Trial (FILED UNDER			
	SEAL)			
128	Reply on Motion to Retax Costs	06/29/18	50	12269–12281
44	Reply to Opposition to Motion for	01/16/18	11	2638–2653
	Summary Judgment on Foreseeability			
	of Bus Interaction with Pedestrians or			
	Bicyclists (Including Sudden Bicycle			
	Movement)"			
46	Reply to Plaintiffs' Opposition to	01/17/18	11	2664–2704
	Motion for Summary Judgment on			
	Punitive Damages			
3	Reporter's Transcript of Motion for	06/15/17	1	34–76
	Temporary Restraining Order			
144	Reporter's Transcript of Proceedings	05/04/18	51	12603–12646
	(FILED UNDER SEAL)			
14	Reporter's Transcription of Motion for	07/20/17	1	172–213
	Preferential Trial Setting			
18	Reporter's Transcription of Motion of	09/21/17	1	237–250
	Status Check and Motion for		2	251–312
	Reconsideration with Joinder			
65	Reporter's Transcription of	02/13/18	16	3818–4000
	Proceedings		17	4001–4037
66	Reporter's Transcription of	02/14/18	17	4038–4250
	Proceedings		18	4251–4308

68	Reporter's Transcription of	02/15/18	18	4315–4500
200	Proceedings	00/10/10	1.0	4501 4505
69	Reporter's Transcription of	02/16/18	19	4501–4727
	Proceedings			
72	Reporter's Transcription of	02/20/18	20	4809–5000
	Proceedings		21	5001–5039
73	Reporter's Transcription of	02/21/18	21	5040-5159
	Proceedings			
74	Reporter's Transcription of	02/22/18	21	5160 - 5250
	Proceedings		22	5251-5314
77	Reporter's Transcription of	02/23/18	22	5328-5500
	Proceedings		23	5501-5580
78	Reporter's Transcription of	02/26/18	23	5581-5750
	Proceedings		24	5751-5834
79	Reporter's Transcription of	02/27/18	24	5835-6000
	Proceedings		25	6001–6006
80	Reporter's Transcription of	02/28/18	25	6007–6194
	Proceedings			
81	Reporter's Transcription of	03/01/18	25	6195–6250
	Proceedings		26	6251-6448
82	Reporter's Transcription of	03/02/18	26	6449–6500
	Proceedings		27	6501–6623
83	Reporter's Transcription of	03/05/18	27	6624–6750
	Proceedings		28	6751–6878
86	Reporter's Transcription of	03/07/18	29	7045-7250
	Proceedings		30	7251 - 7265
88	Reporter's Transcription of	03/09/18	30	7424-7500
	Proceedings		31	7501-7728
89	Reporter's Transcription of	03/12/18	31	7729–7750
	Proceedings		32	7751-7993
99	Reporter's Transcription of	03/20/18	37	9076–9250
	Proceedings		38	9251-9297
100	Reporter's Transcription of	03/21/18	38	9298–9500
	Proceedings		39	9501–9716
101	Reporter's Transcription of	03/21/18	39	9717–9750
	Proceedings		40	9751–9799
	1 100ccumgs		40	5101 <u>—</u> 1010

102	Reporter's Transcription of	03/21/18	40	9800–9880
	Proceedings			
103	Reporter's Transcription of	03/22/18	40	9881-10000
	Proceedings		41	10001-10195
104	Reporter's Transcription of	03/23/18	41	10196–10206
	Proceedings			
24	Second Amended Complaint and	11/17/17	3	619–637
	Demand for Jury Trial			
107	Special Jury Verdict	03/23/18	41	10237–10241
112	Special Master Order Staying Post-	04/24/18	42	10372–10374
	Trial Discovery Including May 2, 2018			
	Deposition of the Custodian of Records			
	of the Board of Regents NSHE			
62	Status Check Transcript	02/09/18	14	3492–3500
			15	3501–3510
17	Stipulated Protective Order	08/24/17	1	228–236
121	Supplement to Motor Coach	05/08/18	49	12013–12018
	Industries, Inc.'s Motion for a Limited			
	New Trial			
60	Supplemental Findings of Fact,	02/05/18	14	3470–3473
	Conclusions of Law, and Order			
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	12/01/17	3	665–750
	Motion for Summary Judgment on		4	751–989
	Punitive Damages			
28	Volume 2: Appendix of Exhibits to	12/01/17	4	990–1000
	Motion for Summary Judgment on		5	1001–1225
	Punitive Damages			
29	Volume 3: Appendix of Exhibits to	12/01/17	5	1226–1250
	Motion for Summary Judgment on		6	1251–1490
	Punitive Damages			

Ι

Mr. Russell objects to foundation.

I'm letting you read the rest, so -- you

mechanically, you couldn't have done it?"

I --

know, through 25 on your own.

Okay.

specifically, Mr. Pepperman, to page 105, line 5

that that technology was available to us at that time."

MR. PEPPERMAN: No, I'm fine with that.

THE COURT: Let's go now to specifically --

MR. PEPPERMAN: -- what was just excluded --

Are you objecting to that?

six full pages of testimony talking about --

mean, you know, something that goes to the -- the

questions that were asked, but, I mean, the following

THE COURT: Excuse me. Let's go

1

2

3

4

5

7

8

9

10

11

12

through 25.

15 16

17

18

19

20

21

22 23

24 25

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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 --
1
2
             MR. RUSSELL: I'd like to -- and to help
3
   that, I'd like to make a suggestion, Your Honor,
 4
   because it appears, on the most recent list that
 5
   plaintiffs have produced, there's sections that they
   had not -- had previously been designated that weren't
7
   included. And --
8
             THE COURT: So I'm not -- I'm working -- I've
9
   spent my time working through an old copy?
10
             MR. RUSSELL:
                           Right.
11
             THE COURT: It's not updated?
12
             MR. PEPPERMAN: No, that is absolutely not
13
   true.
14
             THE COURT:
                         I -- I just -- here's what I'd
15
   like.
16
             MR. RUSSELL: I'm offering to sit down with
17
   Mr. Pepperman.
18
             THE COURT: Here's what I'd like: I'm a very
19
   patient person. I'm happy to look at everything, but,
20
   truly, the most updated copy would be very good for me
21
   because it would save me a lot of time and effort which
22
   I'm happy to put into other areas of the case instead
23
   of doing this.
24
                             Your Honor, you have an
             MR. PEPPERMAN:
25
   up-to-date copy. We submitted our designations; they
```

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7
8
9
10
11
12
006253
14
15
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submitted objections. We responded to the objections
1
2
   they gave us.
3
             THE COURT: But you know what? We're going
4
   back and forth on this right now. And I don't feel
5
   that I have this in an organized fashion.
             MR. RUSSELL: And I'm happy to sit down with
 6
   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 --
16
             THE COURT: I understand. But, truthfully,
17
   if you sit down and just clear this up for me a little
18
   bit more, it would really save me a tremendous amount
19
   of time. Okay? You have to remember that these are
20
   coming in daily now and -- and I'm trying to keep up
21
   with them. And there's two sets of -- you know, I
22
   don't -- I mean, I don't want to break my word. And
23
  I'm honored to be here and to hear this case, but you
24
  have a team on each side, and there's only one judge
25
   that wants to read everything. So --
```

```
1
             MR. PEPPERMAN: I understand, Your Honor.
 2
             THE COURT: Okay. There's only one of me.
 3
             So we -- we still have what I -- what I --
 4
   I'd like you -- and then 11, it's sort of occurring
 5
   again. And 10 may or may not be okay.
             So I'd like -- well, my sections, I'd like
 6
 7
   you to please look from lines 98, 8-15, I've already
   gone and give detail what those are in that section.
 9
   Okay?
10
             Then the next section, with respect to lines
11
   114, 14 through 25; 115 -- I'm sorry -- page 115, lines
12
   1 through 25; page 116, 1 through 25; 1 -- 117, 1
   through 25; 118, 1 through 25; 119, 1 through 25; and
13
   120, I'd like you to review that too and make sure it's
14
   organized.
15
16
             And then for the section that I believe is my
17
   last section that I've reviewed -- again, I -- I don't
18
   think everything is complete here, and that -- it talks
   about cross-designations and everything else.
19
20
             And I have page 120, 14 through 25; 121, 1
21
   through 25; 122, 1 through 22; 127, 3 through 25; 128,
22
   1 through 9. And then there may be other pages as have
23
   been coming up in our conversations.
24
             I want you to straighten that out before --
25
   and give me what you've decided and what's accurate
```

```
before I revisit this. Okay? Please.
1
2
             All right. And then -- is there anything
3
  else that we need to discuss right now?
 4
             MR. RUSSELL: Are guys going to play Ellis
5
   today, Eric?
             MR. BARGER: You got two live witnesses;
 6
7
   right? You got Dr. Stokes and --
8
             MR. RUSSELL:
                           Yeah.
 9
             THE COURT: So I think that -- with respect
   to -- we have two live witnesses. And then if we -- we
10
11
   can do the balance of this maybe at a break, we could
   play Mr. Lamothe's testimony if --
13
             MR. PEPPERMAN: Yeah. Why don't I sit down
  with Mr. Russell and Mr. Terry and talk about Barron
14
15
  and Lamothe.
16
             THE COURT: And -- and the parts that we
17
  haven't covered in Lamothe. Okay?
18
             MR. PEPPERMAN: Yeah, we're almost done.
19
             THE COURT: I think Mr. Ellis should be --
20
  I'd like to make sure that you've -- because I -- I --
21
   I'd like to make sure that you have a chance to really
22
   make sure that everything is cogent and organized in
23
  that one as well.
             MR. PEPPERMAN: I think Mr. Christiansen's
24
25
   office did those.
```

```
1
             THE COURT: Okay. Just letting you know that
2
   I would welcome that.
 3
             MR. PEPPERMAN: No problem.
             THE COURT:
 4
                         Okay?
             All right. So is there anything else? I --
 5
 6
   I wasn't anticipating anything else right now.
7
             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
10
   think -- a five-minute issue as to what we can talk
  about and what we can't. I don't want to cross any
11
12
   lines, but that can wait.
13
             THE COURT: Okay. I will be in my chambers,
   and just let me know once you've discussed it among
14
15
   yourselves and I'll come out right away.
16
             MR. BARGER: Dr. Stokes is first. We can
17
   wait till the afternoon.
18
             THE COURT: Dr. Stokes is first? And if you
19
   have any issue with Dr. Stokes and you need to clear
20
   them up, let me know.
21
             MR. RUSSELL:
                           Thank you.
22
                   (Whereupon a short recess was taken.).
23
             THE MARSHAL: All rise. Department 14 is now
24
   in session with the Honorable Adriana Escobar
25
   presiding.
```

```
Please be seated. Come to order.
 1
 2
             THE COURT: Is our jury ready?
 3
             THE MARSHAL: I'll line them up. Are we
 4
   ready?
 5
             THE COURT: Just a moment. I believe that --
   do we -- we need to discuss a matter before the next
 7
   witness; is that correct?
 8
             MR. ROBERTS: We had a matter before Hubbard,
   the bus driver.
10
             THE COURT: Yes.
11
             MR. ROBERTS: But it's our understanding that
12
   they've switched and Stokes is going to go first.
   we can do it now or we can do it in between witnesses.
13
14
             MR. KEMP: Let's do in between since the jury
15
  has been waiting, Your Honor.
16
             THE COURT: All right. Very good.
17
             All right. Let's ...
18
             THE MARSHAL: Ready, Your Honor?
19
             THE COURT: Yes.
20
             THE MARSHAL: All rise.
21
                   (The following proceedings were held in
22
                   the presence of the jury.)
23
             THE MARSHAL: All the jurors are present,
   Your Honor.
24
25
             THE COURT: Thank you, Marshal.
```

1	order.	THE MARSHAL: Please be seated. Come to	
	order.		
3		THE COURT: Madam clerk, please take roll.	
4		THE COURT CLERK: Yes, Your Honor.	
5		Byron Lennon.	
6		JUROR NO. 1: Here.	
7		THE COURT CLERK: John Toston.	
8		JUROR NO. 2: Here.	
9		THE COURT CLERK: Michelle Peligro.	
10		JUROR NO. 3: Here.	
11		THE COURT CLERK: Raphael Javier.	
12		JUROR NO. 4: Here.	
13		THE COURT CLERK: Dylan Domingo.	J06258
14		JUROR NO. 5: Here.	00
15		THE COURT CLERK: Aberash Getaneh.	
16		JUROR NO. 6: Here.	
17		THE COURT CLERK: Jaymi Johnson.	
18		JUROR NO. 7: Here.	
19		THE COURT CLERK: Constance Brown.	
20		JUROR NO. 8: Here.	
21		THE COURT CLERK: Enrique Tuquero.	
22		JUROR NO. 9: Here.	
23		THE COURT CLERK: Raquel Romero.	
24		JUROR NO. 10: Here.	
25		THE COURT CLERK: Pamela Phillips-Chong.	

```
JUROR NO. 11:
1
                            Here.
 2
             THE COURT CLERK: Gregg Stephens.
 3
             JUROR NO. 12:
                            Here.
             THE COURT CLERK: Glenn Krieger.
 4
             JUROR NO. 13:
 5
                            Here.
             THE COURT CLERK:
                               Emilie Mosqueda.
 6
 7
             JUROR NO. 14: Here.
8
             THE CLERK:
                         Thank you.
 9
             THE COURT: Do the parties stipulate to the
10
   presence of the jury?
11
             MR. CHRISTIANSEN: Yes, Your Honor.
12
             MR. ROBERTS: Yes, Your Honor.
13
             THE COURT: Mr. Christiansen, are you --
14
             MR. CHRISTIANSEN: We're ready. Plaintiffs
15
   call Dr. Larry Stokes.
16
             THE COURT: Okay. Please proceed.
17
             THE MARSHAL: Watch your step, sir. Raise
18
   your right hand and remain standing.
19
             THE CLERK: You do solemnly swear the
20
  testimony you're about to give in this action shall be
21
   the truth, the whole truth, and nothing but the truth,
22
   so help you God?
23
             THE WITNESS:
                           I do.
24
                         Thank you. Please be seated.
             THE CLERK:
25
   And please state and spell your name.
```

```
My name is Larry Stokes.
1
             THE WITNESS:
 2
             THE CLERK:
                          S-t-o-k-e-s?
 3
             THE WITNESS:
                            It is, yes.
 4
 5
                      DIRECT EXAMINATION
 6
   BY MR. CHRISTIANSEN:
7
             Good afternoon, Mr. Stokes. Tell the ladies
        Q.
   and gentlemen of the jury what you do for a living.
9
        A.
             Good afternoon.
                               I'm an economist. I do a
   lot of consulting that has to do with solving money
10
11
   problems, basically.
12
             By way of background, give us a thumbnail
        Q.
   sketch of your education if you would, please.
13
14
             All my formal education has been in economics
15
   and has also been from the University of Illinois.
16
   received my bachelor's in economics there in '71, my
17
   master's in 1973, and then the PhD, or doctorate, I got
18
   that in 1976.
19
             What is the study of economics?
        Q.
20
             Basically, it's analyzing and trying to solve
        Α.
21
   problems dealing with the economy and money and how --
22
   how it operates within the economy and within the world
23
   in general. Basically.
24
             I'm sorry. When was it that you got your
        Q.
```

25

degree in economics?

- 1 A. PhD was in '76.
- 2 Q. 42 years ago?
- 3 A. Yeah.
- 4 Q. 42 years ago?
- 5 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?
- 9 A. Oh, yes.
- 10 Q. What is the name of your business?
- 11 A. It's -- my business is called Beta Business 12 Consulting.
- Q. And who is employed at your business besides yourself?
- 15 A. The company's made up just of me and my wife.
- 16 My wife is a CPA. She deals with a lot of accounting
- 17 and tax issues. I deal with a lot of economics, and I
- 18 have worked with my wife on certain projects where we
- 19 have to do a pro forma for a business start-up or
- 20 something like that.

24

- 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.

25 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

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006263
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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. Oh, 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.

- 1 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?
- 9 A. Right now, most of it -- most of it is. I'm
  10 not teaching it any longer, and so most of my
  11 consulting is based on the litigation types of cases
  12 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?
- 15 A. I have.

- Q. Have you been offered and ever rejected as an expert?
- 18 A. No, I have not.
- Q. And is this testimony something you do frequently? infrequently?
- 21 A. Far too frequently, it feels like sometimes. 22 Yes.
- Q. In courts all over the country or just in particular areas?
- 25 A. All over the country. Most of it, of course,

```
1 is in the Southwest area.
```

- Q. Have you done work for lawyers here in
- 3 | Southern Nevada?

5

- A. I have.
- Q. Mr. Kemp?
- A. I have, yes.
- 7 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.
- 12 Q. Have you been recognized in that as an expert
  13 in the area of economics throughout the Clark County
  14 and up in Washoe County?
- 15 A. I have.
- Q. Have you ever been not recognized when offered as an experted?
- 18 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

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006266
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```
1
   different rates of growth over time. We add in some --
   some fringe benefits that are paid by employers. And
2
3
   then everything is adjusted to what we call present
   value.
 4
 5
             So the starting point is -- was -- his -- was
   Dr. Khiabani's 2016 annual earnings figure.
7
   used as the base for all the projections into the
8
   future.
9
             So we can keep it in terms that I understand,
        Q.
10
   you use a whole bunch of growth rates and present
11
   value, and you started with what the guy made in a
12
   year?
13
        Α.
             That's right.
14
             All right. What was that for Dr. Khiabani in
15
   the most recent year?
16
        Α.
             That was $990,503.
17
             And how was Dr. Khiabani employed?
        Q.
18
             Well, he was a surgery professor, a professor
19
   of surgery. And I don't believe he was practicing in
20
   the field of medicine as a practicing physician, but he
21
   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?
- 24 A. I did.

23

25

Q. That's from where you extracted the initial

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00626
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	1		0
n	amr	oe.	r?

- 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

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06268
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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

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006269
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1 people in the public sector, which would be where 2 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?
- 14 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

```
006270
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```
worklife expectancies that cause people to leave the
1
   market, to be between jobs, to leave and reenter the
2
3
   labor market, those kinds of things.
             At any rate, we use worklife expectancy.
 4
5
   This all comes out of U.S. Department of Labor data on
   participation and that sort of thing.
7
             So his -- his worklife expectancy was another
8
   18 years. That would put him up to about age 69.
9
             Age 59 -- or 69. You're correct. My math --
        Q.
10
   that's why you're the economist. He was age 51; right?
11
        A.
             Yes.
12
             Up through age 69 is when you calculated
        Q.
13
   statistically his worklife expectancy to end or to slow
14
   down?
15
        Α.
             No, to end.
16
        0.
             Okay. So if, in fact, he was somebody that
17
   worked past age 69, your calculations would have not
18
   included those additional years?
19
             MR. ROBERTS: Objection. Speculation.
20
             THE COURT: Overruled.
21
             THE WITNESS:
                           That's correct.
22
   BY MR. CHRISTIANSEN:
23
             And do some professions or some
        Q.
24
   occupations -- is a better word -- allow persons to
25
   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.
- 15 A. It was 18 years.
- Q. Up to the age of 69?
- 17 A. Yes.

1

3

4

- 18 Q. And how is worklife expectancy different than 19 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.

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006272
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- 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.

3

4

6

14

Q. And so make sure I understand what you're doing correctly -- or what you're doing.

9 After somebody gets to their statistical
10 worklife expectancy, your calculations presuppose
11 they've got some sort of income for money they've
12 earned while they were working that sort of affords
13 them for the rest of their life?

- A. Yes.
- Q. And you try to account for that in this is situation?
- 17 A. Yes, I did.
- Q. And is that what you called the income adjustment?
- 20 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.
- 25 And I think I mentioned, that was a relatively small --

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0062
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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.
```

2

3

4

7

12

14

15

16

17

18

19

20

21

22

- Okay. Do you do present value before or after you account for personal consumption?
- Everything is -- I mean, personal consumption Α. 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.
- 8 Explain to the ladies and gentlemen of the Q. jury how you reach the total of what Dr. Khiabani's 10 worklife earning capacity would have been. What is --11 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. 13
  - 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.
  - And how is it that you get some of the Q. information? Do you get data particular to Dr. Kayvan Khiabani?
- 24 The only data that I have that's really Α. 25 specific to Dr. Khiabani is his earnings, the starting

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006275
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- 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
  - 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.

which he would be a part.

- 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

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00627
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1 he have lived to the statistical average life
2 expectancy?
```

- A. Okay. The total earnings and income and fringe benefits was \$21,112,263.
- Q. Just by way of demonstrative, you said

  I million -- I'll try to blow that up a little bit -
  112,263?
- 8 A. That's correct.
- 9 Q. Okay. That's the total. From that, did you 10 have to subtract the personal consumption you told the 11 ladies and gentlemen of the jury about?
- 12 A. I did, yes.
- Q. And did you do that?
- 14 A. I did.

- Q. And what was the personal consumption that you reduced the total by?
- 17 A. That's a present value. Again, it's 18 \$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

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00627
```

- 1 the analysis, it's a specific thing. You have the
- 2 starting figure. You have some growth applied. You
- 3 have a discounting applied. It all happens
- 4 simultaneously while we're going through this entire
- 5 analysis.

- Q. And is the growth and the reduction something that economists in your field for the past 40 years use
- 8 regularly all across the country?
  - A. Oh, yes.
- 10 Q. And are these figures, the initial two, the
- 11 present value of earnings income and fringe benefits
- 12 and the present value of personal consumption,
- 13 calculated to a reasonable degree of economic
- 14 probability?
- 15 A. They are, yes.
- 16 Q. Okay. What do you do next?
- 17 A. You just look at the difference between those
- 18 two numbers, and that gives you the present value of
- 19 the loss of earnings, income, and fringe benefits.
- Q. And what is that, for the ladies and
- 21 gentlemen of the jury?
- 22 A. That loss is, again, a present value,
- 23 \$15,262,417.
- Q. So am I to understand you correctly that
- 25 if -- to fully, in today's money, to provide for the

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00627
```

Correct.

Α.

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total amount of earnings Dr. Khiabani, had he lived to
1
   a statistical average age and worked statistically
2
3
   average to the end of his worklife, you'd subtract from
   that the present or the personal consumption and come
 4
 5
   up with today -- in today dollars $15,262,417?
             MR. ROBERTS: Objection, Your Honor.
 6
7
   Irrelevant and confusing.
8
             MR. CHRISTIANSEN: It was confusing.
                                                    I will
   admit to that.
10
             THE COURT: Sustained.
                                      It was confusion.
11
             MR. CHRISTIANSEN:
                                 Sorry. That's what
12
   happens when you make a lawyer ask economists
13
   questions.
14
   BY MR. CHRISTIANSEN:
15
             In shorthand, tell us what the first number
        Q.
   is, 21 million and change.
17
        A.
             That's the present value of all
18
   Dr. Khiabani's expected earnings and income to the end
19
   of his normal life expectancy.
20
             From that, you subtract what he would have
        Q.
21
   consumed in his life expectancy?
22
        Α.
             That's right.
23
             That's the second line, present value of
24
   personal consumption.
```

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00627
```

- 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?
- 11 A. I did.

2

3

4

7

8

10

16

17

- 12 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?
- 21 A. Correct.
- Q. And is that the reduction you explained to the ladies and gentlemen of the jury?
- 24 A. It is, yes.
  - Q. So what does that in total make the loss of

```
1
   Dr. -- the present value of the total economic loss for
2
   Dr. Kayvan Khiabani?
3
             MR. ROBERTS: Objection, Your Honor. May we
 4
   approach?
 5
             THE COURT:
                          Yes.
                   (A discussion was held at the bench,
 6
 7
                   not reported.)
8
             MR. CHRISTIANSEN: May I proceed, Your Honor?
 9
             THE COURT:
                          Yes.
10
   BY MR. CHRISTIANSEN:
11
             I'm sorry, Doctor. Tell me again what the
        Q.
   total was, for present value of the total economic loss
12
   of the life of Dr. Kayvan Khiabani.
13
             The total of the two numbers that we've dealt
14
15
   with is $15,316,090.
16
        0.
             And, Doctor, when you told the ladies and
17
   gentlemen of the jury that, on a yearly basis, you did
18
   reductions, did you make -- is one of the exhibits to
19
   your chart -- or to your report that annual reduction
20
   back to present value that you explained to us?
21
        A.
             Yeah.
                     In table page 1 of my report, all of
22
   the figures in there are in present value terms.
23
             Okay. And table page 1, I'm not going to
        Q.
24
   spend any time on it, just to show that you actually
```

did the calculation for each and every year --

1 A. Yes.

4

5

7

9

- 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?
- 12 A. It is.
- Q. That's the 53,000 and change number?
- 14 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,

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0062
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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?

```
1
        A.
              Oh, there are.
                              Sure.
              And have all of your opinions today,
2
3
   including all placed in front of the jury, been
 4
   rendered a reasonable degree of economic probability?
 5
        Α.
              They have, yes.
              Based on 40-plus years of experience?
 6
        Q.
7
        A.
              Yes.
8
              And hundreds of times testifying as an
        Q.
 9
   expert?
10
        A.
              Yes.
11
              MR. CHRISTIANSEN: That concludes direct
12
   examination.
13
              Thank you, Your Honor.
14
              THE COURT:
                          Thank you.
15
              Mr. Roberts?
16
              MR. ROBERTS: Thank you, Your Honor.
17
                       CROSS-EXAMINATION
   BY MR. ROBERTS:
18
19
              Good afternoon, Dr. Stokes.
        Q.
20
        Α.
             Afternoon.
             Lee Roberts. We met at your deposition?
21
        Q.
22
        Α.
              We did, yes.
23
              Have you done any work on this case since
        Q.
24
   your deposition last year?
25
              No, I have not.
        Α.
```

```
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?
- 13 A. Yes.

7

- 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?
- 20 A. Pretty close. 95 percent over the -- over 21 the long haul.
- Q. So when you told me in your deposition that it was 100 percent for plaintiffs, zero for defendant --
- 25 A. No, you asked me --

```
1
             -- that was just recently?
        Q.
2
             No, that's not right. You asked me about
3
   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.
             I understand. Thank you for clarifying that
 6
        0.
7
   for me.
8
             What I would like to start with is,
9
   initially, you told the jury that you included
10
   something for fringe benefits; correct?
11
        A.
             Yes.
12
             MR. ROBERTS: And, Pete, if I could display
13
   the portions of the same charts that you did.
14
             MR. CHRISTIANSEN: No objection.
15
  BY MR. ROBERTS:
16
             Let's see if I can get it up here.
        Q.
17
             Okay. So fringe benefits is this middle
18
   column; right?
19
        A.
             Yes.
20
             Okay. And let's see if I can focus this
21
   thing. Okay. That's better.
22
             So what year did you stop calculating fringe
   benefits as part of loss?
23
24
             2021 was the last year.
        Α.
```

And why did you say you stopped fringe

25

Q.

```
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?

```
1
             That's usually the case, yes.
        A.
2
             MR. CHRISTIANSEN: Judge, can we approach
3
   real briefly with Mr. Roberts?
 4
             THE COURT:
                          Yeah.
 5
                   (A discussion was held at the bench,
                    not reported.)
 6
7
   BY MR. ROBERTS:
8
             Okay. Now that we've established why you cut
        Q.
   off fringe benefits in 2021, I'd like to talk about
10
   household services if I could.
11
             And do you have your report with you, sir?
12
        A.
             I do.
13
        Q.
             Okay. Do you recall what year you cut off
14
   loss of household services?
15
        Α.
             2021.
16
             So the same year you cut off fringe benefits?
             I did.
17
        Α.
18
             And explain to the jury why you cut off
19
   household services in 2021 even though, as you said,
20
   Dr. Khiabani, had he lived, would have continued to
21
   perform household services until probably his death.
22
             Well, statistically, the children are gone in
23
   2021 or sometime during that year. And so there's no
24
   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.
- 4 You understand my duty to do so in a case like this,
- 5 though; right?
- 6 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?
- 10 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?
- 19 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.

2

3

5

6

7

- 9 Q. -- some of that would have gone to Dr. Barin
  10 before she passed; right?
- 11 A. Sure.
- 12 Q. Some of that would have gone to Aria
  13 Khiabani; correct?
- 14 A. Yes.
- 15 Q. And some to Keon Khiabani?
- 16 A. Yes.
- Q. Did you break that down?
- 18 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

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006292
```

```
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
```

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?
- 22 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

```
1 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,

  9 I would agree. But let me take a look.
- 10 Q. You can double-check my math. I'm a lawyer,
  11 not an economist.
- 12 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?
- 19 A. Yes.
- Q. And, in this case, did -- did Dr. Barin fill out the questionnaire before she passed?
- 22 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?

```
1
        A.
             I did, yes.
2
             MR. ROBERTS: Permission to display to the
3
   jury, Pete?
 4
             MR. CHRISTIANSEN:
                                 No objection.
 5
             MR. ROBERTS: I should have asked you, Your
 6
   Honor, permission from you.
7
             THE COURT: Yes.
   BY MR. ROBERTS:
9
             All right. Okay. Is this the page where you
        Q.
10
   asked Dr. Barin to estimate household services
11
  performed by Dr. Khiabani during his lifetime?
12
        Α.
             It is, yes.
             And two to three hours per week for inside
13
14
  maintenance and repair; correct?
15
        Α.
             Yes.
             Four hours per week for shopping and consumer
16
17
   purchases?
18
        A.
             Yes.
19
             And eight hours per week for transportation
20
   for household members?
21
        Α.
             Correct.
22
             So that's about 14, 15 hours?
        Q.
23
        Α.
             It is.
24
             And that's less than the statistical averages
        Q.
25
   you used?
```

correct?

```
1
        Α.
              It is.
2
             And Dr. Barin didn't indicate that
3
   Dr. Khiabani spent any time cleaning; correct?
 4
        A.
             Correct.
 5
             No time meal preparation?
        0.
             Yes.
 6
        A.
 7
             No time caring or helping household members?
        Q.
8
              That's correct.
        Α.
 9
              Okay. Did you factor this in any way into
        Q.
10
   your analysis, or did you just use statistical
11
   averages?
12
             No, I just used the statistical averages.
             Let's move on to your calculations of loss of
13
        Q.
14
   income, the economic loss that you just went through.
15
              Is it fair to say that Mr. Kemp requested
   that you estimate the present value of the loss of
17
   earnings income and fringe benefits resulting from the
18
   death of Dr. Kayvan Khiabani?
19
        A.
              Yes.
20
              Okay. Were you ever asked to estimate the
21
   loss of probable support to either Dr. Barin before she
22
   passed, to Aria Khiabani, or to Keon Khiabani?
23
        A.
             No, I was not.
24
             And you rendered no opinion on that; is that
```

```
1
        A.
             That's correct.
2
             MR. ROBERTS: Your Honor, can I move the --
3
   the flip chart over?
 4
             THE COURT:
                          Yes.
 5
             MR. ROBERTS:
                            Thank you.
 6
   BY MR. ROBERTS:
7
             Here -- okay. If you could get out for me
        Q.
   the table that you referred to during your direct
   examination where income and personal consumption is
10
   shown on year-by-year basis.
11
              (Witness complies.)
        A.
12
             THE COURT RECORDER: Counsel -- Counsel, you
13
   have to put the microphone on.
14
             MR. ROBERTS: Oh, sure. Am I not picking up?
15
  BY MR. ROBERTS:
16
             Okay. Doctor, first of all, you stated that
        Q.
   you used 2016 income as sort of a base.
17
18
        Α.
             Yes.
19
             Is that fair?
        Q.
20
        Α.
             Yes.
21
             And do you have the W-2 income for 2016 for
        Q.
22
   Dr. Khiabani?
23
        A.
             That's that $990,000 figure that we started
24
   with. 900 -- I'm sorry -- $990,503.
25
             990,503; is that correct?
```

Q.

- 1 A. Yes. Yes.
- Q. Okay. And 2018 would be the first full year after Dr. Khiabani's death; right?
- 4 A. Correct.
- Q. What did you project Dr. Khiabani's income would have been in 2018 had he lived?
- 7 A. Be about \$1,013,998.
- 8 Q. 1,013,000?
- 9 A. Yes.
- 10 Q. Okay.

25

- 11 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
- 15 A. About -- let's see -- \$83,148.

he would have spent on himself?

- 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.

5

6

7

8

- 10 Q. And some people earn a lot and save a lot;
  11 right?
- 12 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?
- 16 A. That's correct.
- Q. Okay. And you don't know if he was a big spender or not; right?
- 19 A. I don't.
- Q. Okay. You know how much he paid for his bicycle?
- 22 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.

```
1
             Now, you said that you deducted personal
        Q.
2
   consumption from lost income; right?
 3
        A.
             Yes.
 4
             And if you -- you did that, that would be
        0.
   over $900,000 available in 2018; right?
5
        Α.
             Yes.
 6
7
        Q.
             Okay. Now, you weren't telling the jury
8
   that, if the doctor had lived, he would have given
   $900,000 to his sons, are you?
10
        A.
             No.
11
        Q.
             Okay.
12
             MR. ROBERTS: Your Honor, may I approach?
13
   Out of an abundance of caution.
14
             THE COURT: Certainly.
15
                   (A discussion was held at the bench,
16
                    not reported.)
17
             THE COURT: We're just going to take about a
18
   five-minute recess, but I'd like the jury to remain.
19
   You can stand up, move around if you need to.
20
             THE MARSHAL: Please remain seated. Court is
21
   in recess five minutes.
22
                   (Whereupon a short recess was taken.)
23
             THE MARSHAL: Please be seated. Come to
           Department 14 is back in session.
24
   order.
25
             THE COURT: Counsel, please approach.
```

```
1
                   (A discussion was held at the bench,
2
                    not reported.)
 3
             THE COURT: You may proceed, Mr. Roberts.
 4
                            Thank you, Your Honor.
             MR. ROBERTS:
   BY MR. ROBERTS:
             Okay. We were putting a few sample numbers
 6
        Q.
7
   up here for the jury, Dr. Stokes.
8
             And in 2018, you assumed that -- that
   Dr. Barin would -- would still be alive; correct?
10
             I did.
        A.
11
             Okay. But, as you know, she passed before
        Q.
12
   2018?
13
        A.
             Oh, yes.
14
             Okay. And that doesn't change -- does that
15
   change part of your analysis?
16
        Α.
             It would have, sure.
17
             And the personal consumption number would
        Q.
18
   have -- would have gone up?
19
             The personal consumption would have gone down
        Α.
20
   with one more person in the household. And so the --
21
   the consumption that would be allocated to Dr. Khiabani
22
   to Kayvan would be less.
23
             Okay. So maybe I'm confused. Is this 83,000
        Q.
24
   the number in your report?
25
        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
```

- 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.

11

12

13

14

15

17

18

19

20

- 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

```
1
   of the children has become age 18 as well, so it's --
   it's a double whammy in this year between 2018 and '19.
3
   It's not just because of the absence of Katy Khiabani.
             Okay. Now that you know Dr. Barin passed a
 4
        Q.
   year earlier, you would want to make an adjustment to
   your report; right?
 7
             You could, sure.
        A.
8
             Okay. But the numbers you have there are off
        Q.
   a little?
10
        Α.
             Sure.
11
```

- Q. Okay. But you also made an adjustment to personal consumption when the children were soon to move out of the house; right?
- 14 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

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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.

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00630
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- 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?
- 19 A. I did.
- Q. And if there are specific worklife
  21 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; 4 right?
```

A. That's right.

5

6

7

10

11

12

15

16

17

18

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?

- 13 A. I didn't understand your whole question, but 14 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

```
1
   working.
 2
        A.
             Correct.
 3
             Okay. And did you say that he -- that income
        Q.
 4
   could be coming from savings that he managed to put
   away in his prior income earning years?
 5
 6
        Α.
              Sure.
 7
             Okay. And then his personal consumption is
        Q.
 8
   going up at that point about what? 34 percent?
 9
        A.
              It is.
10
             Okay. So 34 percent of the 382, you're
11
   saying is -- would be personal consumption. You're
12
   subtracting that and you come up with a new number.
13
             You're not here to tell the jury that's the
14
   number that would go to the boys, are you, as a matter
   of law?
15
16
        Α.
             No, I'm not making that.
17
        Q.
             And that's beyond the scope of your report;
18
   right?
19
              It is.
        Α.
20
             MR. ROBERTS: Okay. Thank you very much,
21
   Doctor.
             I appreciate it.
22
                     REDIRECT EXAMINATION
23
   BY MR. CHRISTIANSEN:
24
             Doctor, you sat through 40 minutes of
        Q.
```

questioning by Mr. Roberts. Did any of those questions

```
1
   change your conclusions?
2
             No.
        A.
 3
             MR. CHRISTIANSEN: Judge, may I move the
 4
   tripod back?
5
             THE COURT: Yes.
 6
             THE MARSHAL:
                            Got it.
7
             MR. CHRISTIANSEN: Hope so. Thank you.
   BY MR. CHRISTIANSEN:
9
             Have you found in your time, Doctor, doing
        Q.
10
   litigation that sometimes lawyers conflate issues?
11
             Lawyers do what?
        Α.
12
             MR. ROBERTS: Objection, Your Honor.
             THE COURT: Sustained.
13
14
   BY MR. CHRISTIANSEN:
15
             Well, let me ask it to you directly.
        Q.
16
             Mr. Roberts voiced some complaints about your
   calculations relative to your assumption that Katy was
17
18
   going to live to the year 2018.
19
        Α.
             Yes.
20
             And you told the jury, you know, I was wrong;
21
   she passed in 2017.
22
        A.
             Yes.
23
             That assumption that she lived to 2018 inured
        Q.
   to the benefit of the defendant in your calculation,
25
   did it not?
```

A. It did.

1

4

5

7

8

9

- 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?
- 11 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?
- 16 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 22 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.

1

2

3

4

7

- 9 Q. You're not here to say one way or another how 10 much time he devoted or love he had for his children or 11 money he would spend; correct?
- 12 A. That's correct, yes.
- Q. That's the jury's job.
- 14 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?
- 23 A. Yes.
- Q. We look over here, Mr. Barger is older than
- 25 69. He's working full-time, isn't he?

```
1
        A.
             I don't --
2
             THE WITNESS: Do you work full-time?
 3
             MR. BARGER:
                           Half.
   BY MR. CHRISTIANSEN:
5
             He's working full-time in here.
        Q.
 6
             And your assumption benefited the defendant;
7
   correct?
8
             Well, the worklife expectancy I used, that
        Α.
   was the statistical level for the age of a professional
10
   at the time of the analysis.
11
             Were there any criticisms of your total
        Q.
12
   number of 15-plus million?
13
        A.
             No.
14
                                 Nothing else. Thank you.
             MR. CHRISTIANSEN:
15
                            Nothing further, Your Honor.
             MR. ROBERTS:
16
             THE COURT: Anything from the jury?
17
             THE MARSHAL: Yes, Your Honor.
18
             THE COURT: Oh, we do? Okay.
19
                   (A discussion was held at the bench,
20
                    not reported.)
21
             THE COURT: All right. We have a question
22
   from the jury.
23
             THE WITNESS:
                            Sure.
24
             THE COURT: All right. The first question is
   "With the projections, are we taking into consideration
25
```

```
2
   personal consumption)?"
3
             THE WITNESS: No, we're not. I mean, we know
 4
   that there's some costs associated with that, but, like
5
   I said, the government data indicate that the children
   are no longer a part of the household after age 18.
7
   And so don't look at the -- don't look at the cost of
   college at all in my analysis.
9
             THE COURT: Okay. And the second question is
10
   not going to be asked because of the answer to the
11
   first question.
12
             Thank you very much.
13
             THE MARSHAL: Any other questions?
14
             THE COURT: Do you have any follow-ups?
15
             MR. ROBERTS: No, Your Honor.
16
             MR. CHRISTIANSEN: No, Your Honor.
17
             THE COURT: Any other questions from the
18
   jury?
19
             All right. I think that's a no. Right?
20
             Okay. You're excused. Thank you very much.
21
             MR. ROBERTS: Your Honor, we were going to --
22
   may we approach?
23
             THE COURT:
                         Yes.
24
                   (A discussion was held at the bench,
```

not reported.)

of where children would go to college (in regards to

1

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006312
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1	THE COURT: All right. We were going to take
2	a ten-minute break.
3	And I'd like you to wait, please. Okay.
4	THE WITNESS: Okay.
5	THE COURT: Ladies and gentlemen, you're
6	instructed not to talk with each other or with anyone
7	else about any subject or issue connected with this
8	trial. You are not to read, watch, or listen to any
9	report of or commentary on the trial by any person
10	connected with this case or by any medium of
11	information, including, without limitation, newspapers,
12	television, the Internet, or radio.
13	You are not to conduct any research on your
14	own relating to this case, such as consulting
15	dictionaries, using the Internet, or using reference
16	materials.
17	You are not to conduct any investigation,
18	test any theory of the case, re-create any aspect of
19	the case, or in any other way investigate or learn
20	about the case on your own.
21	You are not to talk with others, text others,
22	tweet others, google issues, or conduct any other kind
23	of book or computer research with regard to any issue,
24	party, witness, or attorney involved in this case.
25	You're not to form or express any opinion on

```
1
   any subject connected with this trial until the case is
2
   finally submitted to you.
3
             We're going to take a 15-minute break, and I
 4
   would like you to stay on this floor, please.
5
             THE MARSHAL: All rise. Follow me this way,
 6
   please.
7
                   (The following proceedings were held
8
                   outside the presence of the jury.)
 9
             THE MARSHAL: Please be seated. Come to
10
   order.
11
             THE COURT: Okay.
12
             MR. BARGER: Do you want the witness?
13
             MR. ROBERTS: No. We've got to keep him.
14
   We're going to put on the income tax after the
15
   presence; then the Court's going to decide later.
16
             THE COURT: Will there be another issue we
   need to take before the next witness? That's why I
17
18
   gave them five more minutes.
19
             We're on the record now.
20
             MR. ROBERTS: Okay. Your Honor, may I
21
   proceed to make a proffer outside the presence of the
22
   jury?
23
             THE COURT: Yes.
24
                            Thank you, Your Honor.
             MR. ROBERTS:
25
             Let me get my chart again, Dr. Stokes.
```

## 1 OFFER OF PROOF 2 BY MR. ROBERTS: 3 Okay. A few minutes ago when we were Q. 4 talking, you told me that the year 2016 was the base year that you used for your calculations; correct? Correct. 6 Α. 7 And you gave me an income number of \$909,503; Q. 8 right? 9 Correct. A. 10 Okay. Did you have Dr. Khiabani's W-2 from 11 the board of regents at the time you did your report? 12 Not sure. What's -- for this year? For A. 13 2016? 14 For 2016. Q. 15 A. I must have, yes. And I'm going to show you a copy of the W-2 16 0. 17 for 2016 from your work file that you provided in this 18 matter. 19 Does this W-2 indicate the total reported 20 income from the board of regents? 21 A. It appears to, yes. 22 And what is the amount of that income as 23 reported on the W-2? 24 A. \$990,503.12.

Okay. So is it fair to say that the number

25

Q.

```
006
```

- 1 that you previously gave to the jury as the base number
  2 for calculations was a gross income number?
  - A. Yes.

4

- Q. Okay. It was before taxes?
- 5 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"?
- 12 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?
- 17 A. I'll take your word for it.
- 18 Q. Okay. Sounds about right?
- 19 A. It does.
- 20 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
- 25 some back or pay extra; right?

```
2
3
4
5
6
7
8
9
10
11
12
13
14
```

```
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,

7 Your Honor?

THE COURT: Certainly.

MR. ROBERTS: Thank you.

## 10 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?
- 4| 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?
- 18 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?
- 22 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?

```
1
        A.
             For that -- for -- yes. For 2016?
2
        Q.
             Okay.
 3
             Correct.
        Α.
 4
             And Mr. Christiansen said that it's up to the
        Q.
5
   jury to determine how much he would have provided to
   his children in lost support; correct?
7
        A.
             I believe so, yes.
8
             All right.
        Q.
 9
             Oh, yes, he did.
        Α.
10
             He couldn't have given his children any more
        Q.
11
   than he had left in his pocket after he paid his
12
   federal taxes, could he?
13
        Α.
             Not in any current sense, no, he could not.
14
             MR. ROBERTS: Okay. Thank you very much
15
  Doctor.
16
             That's all I have, Your Honor. I appreciate
17
   the opportunity.
18
             THE COURT: Okay. Thank you.
19
             Mr. Christiansen, anything? Okay.
20
             Thank you very much. You're excused.
                                                      Thank
21
   you.
22
             MR. KEMP: Mr. Stokes is excused?
23
             THE COURT: Yes, he's excused.
24
             I'm going to start using my mic. I'm also
25
   too soft-spoken at times. All right.
```

```
1
             It was my understanding that before -- it's
 2
   Mr. Hubbard next; correct?
 3
             MR. CHRISTIANSEN: Yes, Your Honor,
 4
   Mr. Hubbard is next.
 5
             THE COURT: Okay. And there's something
 6
   counsel wanted to discuss?
 7
             MR. HENRIOD: Yes, Your Honor. Joel Henriod.
 8
             We just want to make sure we don't cross a
   line, and we think the -- we understand the Court's
10
   order on contributory negligence -- or I'm sorry -- on
11
   the comparative negligence of Mr. Hubbard or any third
12
   parties deferred the decision on what could be asked in
   terms of bias.
13
14
             Perhaps I'm wrong. We're just asking for
15
   clarification. Here's what we want to do.
16
             THE COURT: Okay.
17
             MR. HENRIOD: We want to go with him into the
18
   fact that he was being personally blamed for this
19
           That goes to his motive to deflect
   death.
20
   responsibility, and I even think we should be able to
21
   get into the fact that at that point he had been sued
22
   because the interest in self-exoneration only becomes
23
   higher when that's the case.
24
             And I don't think the fact that the case has
```

settled needs to come in or is even relevant because at

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006319
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```
this point he has an incentive to testify consistently
1
   with what he said before. We know that whoever is --
   he's likely going to be asked, "Isn't this what you
3
   said in your deposition and is that your testimony
 5
   today?"
             So he had a bias to protect himself when he
 6
7
   testified before, and he has an incentive to testify
8
   consistently with that today to avoid being accused of
   perjury. And I don't think that we have to get into
10
   either the existence of settlement or the amount of
11
   settlement to be able to do that.
12
             Thank you.
13
             MR. KEMP: Well, Judge, the damage is done
14
   when they say the plaintiff --
15
             THE COURT: Speak louder, please.
16
             MR. KEMP:
                        Your Honor, they want to say to
17
   the jury, "The plaintiff sued you and blamed you for
18
   this accident."
19
             That is exactly what is precluded by the
20
   motion in limine. And, you know, oh, sure they don't
21
   want to say it settled and it's over. They don't want
22
   to say that. They want to say the ultimate sin, that
23
   the plaintiffs took the position that he was at fault.
24
   And the only reason they're doing that is to try to
25
   impute some negligence that's foreseeable -- Court's
```

```
006320
```

```
already ordered -- on the part of the driver.
1
2
             So none of that should come in. None of that
3
   should come in. He's a settled defendant. Our case
   law is crystal clear that they can't say anything about
 4
   a settled defendant. Can't say he settled and
   certainly can't say you sued him first.
 6
7
             So for that reason, Your Honor, we would
8
   vehemently object to this. I'm glad they brought it up
9
   because I would have been ballistic if they started
10
   asking these questions in front of the jury.
11
             And, you know, with regards to motive to
   deflect and personally blame, you know, any time a
12
   driver's in an accident, you know, you can argue that
13
14
   they were worried about being personally blamed.
15
             But what they want to do is go farther than
16
   that and say that we sued them to get into the
17
   negligence issue, Your Honor, and I am vehemently
18
   against that.
19
             MR. HENRIOD: I don't have anything to add to
20
   the point I've already made or the briefing that's been
21
   submitted.
22
             THE COURT: Okay. Mr. Henriod, I'm glad you
23
   asked about this now because, consistent with my
24
   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
1
  litigation before. So -- so I do not want that to be
3
   asked. I don't think it's -- I think it's more
   prejudicial than probative, and I think that's a
   problem.
 5
             MR. HENRIOD: Okay. And then that extends
 6
7
  even just to -- to being blamed at all?
8
             THE COURT: Yes. There's -- I -- I --
   there's an order that's very clear that comparative or
10
   contributory negligence is -- specifically the driver
11
   is not to be discussed.
12
             MR. HENRIOD: Very well, Your Honor. Thank
13
  you.
14
             THE COURT: Thank you.
15
             MR. KEMP: Your Honor, I was in the room --
16
             THE COURT: Excuse me. Just for the record,
17
   Mr. Henriod, that has to do with the consumer
18
   expectation test? No. Let me think right now. Strict
19
   liability and product defect and so forth.
20
             MR. HENRIOD:
                           Okay.
21
             THE COURT: Okay. I just wanted to make sure
22
   I -- I stated that.
23
             MR. KEMP: Your Honor, what time was the jury
24
   coming back?
25
             THE COURT: 3:00 o'clock. Do you want to
```

```
take a quick break?
 1
 2
             MR. KEMP:
                        Yeah.
 3
             THE COURT: Okay. Yes. Thank you.
 4
                   (Whereupon a short recess was taken.)
 5
             THE MARSHAL: Please remain seated. Come to
 6
           Department 14 is back in session.
   order.
 7
             THE COURT: Ready for the jury?
 8
             MR. CHRISTIANSEN: Can I have just one
   second, Your Honor?
10
             THE COURT: We are off the record.
11
                   (Whereupon a short recess was taken.)
12
             THE COURT: Ready?
13
             THE MARSHAL: Yes, whenever you are.
14
             THE COURT: Mr. Christiansen, are you ready?
15
             MR. CHRISTIANSEN: One quick second.
16
             THE MARSHAL: All rise.
17
                   (The following proceedings were held in
18
                    the presence of the jury.)
19
             THE MARSHAL: All the jurors are present,
20
   Your Honor.
21
             THE COURT: Okay. Welcome back, ladies and
22
   gentlemen.
23
             THE MARSHAL: Please be seated. Come to
24
   order.
25
             THE COURT: Do the parties stipulate to the
```

```
1
   presence of the jury?
2
             MR. KEMP: Yes, Your Honor.
 3
             MR. ROBERTS: Yes, Your Honor.
             THE COURT:
                         Thank you.
 4
 5
             Plaintiffs, please proceed.
             MR. CHRISTIANSEN: Plaintiff calls Edward
 6
7
   Hubbard.
8
             Can I approach while he's coming up, Your
   Honor?
10
             THE COURT:
                         Yes.
11
                   (A discussion was held at the bench,
12
                   not reported.)
13
             THE MARSHAL: Watch your step, and step up
14
           And you're going to raise your right hand.
   there.
15
             THE COURT: Okay. Please swear --
16
             MR. CHRISTIANSEN: May I proceed, Your Honor?
17
   Oh, I'm sorry. You got to swear him in first, I guess;
18
   right?
19
             THE CLERK: You do solemnly swear the
20
  testimony you're about to give in this action shall be
21
   the truth, the whole truth, and nothing but the truth,
22
   so help you God?
23
             THE WITNESS:
                            I do.
24
                         Thank you. Please be seated.
             THE CLERK:
25
   And please state and spell your name.
```

```
1
              THE WITNESS: Edward Hubbard; E-d-w-a-r-d,
 2
   H-u-b-b-a-r-d.
 3
              THE CLERK: Thank you.
 4
 5
                      DIRECT EXAMINATION
   BY MR. CHRISTIANSEN:
 7
             Mr. Hubbard, what is it that you do for a
        Q.
 8
   living, sir?
 9
              I'm a bus operator.
        A.
10
             And do you work here in Las Vegas?
        Q.
11
        Α.
             Yes.
12
             How long have you operated buses?
        Q.
13
        Α.
             Since 1997.
             Where did you -- at what point in time did
14
        Q.
15
   you come here to Las Vegas?
16
              Two years ago next month, April.
        Α.
17
        Q.
             April the 18th, 2016?
18
        Α.
             April 9th, 2016.
19
             Okay. Were you operating a bus April 18th of
        Q.
20
   2017?
21
        Α.
             Yes.
22
             And who were you working for? Who -- who is
23
   your employer?
24
        Α.
             Michelangelo.
25
             What were you doing that day, sir?
        Q.
```

```
1
             I was operating --
        Α.
2
             Do you have a cell phone in your jacket?
        Q.
3
             THE COURT: You need to speak louder.
 4
             THE MARSHAL: Do you have a cell phone?
   Someone have a cell phone near the mics?
5
 6
             Not sure, Your Honor.
7
             THE COURT: You need to speak a little bit
   louder, please, sir.
8
9
             THE WITNESS:
                            Yes.
10
             THE COURT:
                          Thanks.
11
             Go on.
   BY MR. CHRISTIANSEN:
             I think the last thing I asked you was who
13
        Q.
   were you employed by, and you told me Michelangelo?
14
15
        Α.
             Yes.
16
        Q.
           Okay. Since 2016?
17
        A.
             Yes.
             Prior to that, where did you work and what
18
19
   did you do?
20
        A.
             New York City Transit Authority in New York
21
   City.
22
             And what did you --
        Q.
23
        A.
             Bus operator.
24
             You were a bus operator for the transit
        Q.
  authority in New York City?
25
```

```
1
2
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- A. Yes.
- Q. And when did you begin that occupation,
- 3 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 8 1997.
- 9 Q. And if I refer to your commercial driver's
  10 license from this point forward as a CDL, will you know
  11 what I'm talking about?
- 12 A. Yes, sir.
- Q. That's sort of the shorthand for a commercial driver's license?
- 15 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
- 21 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?
- 25 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?
- 8 A. Yes, North Las Vegas.
- 9 Q. Near, like, Republic Services, which is more 10 west?
- 11 A. Yes.

4

5

7

- 12 Q. That's where the buses stay?
- 13 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.

1

24

- 2 Q. Okay. Was this your first run of the day?
- 3 A. Correct.
- 4 Q. The morning run?
- 5 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?
- 9 A. Somewhere around there, yes.
- 10 Q. And what kind of bus were you driving?
- 11 A. MCI.
- 12 Q. A Motor Coach Industries 2008 J4500?
- 13 A. Sounds about right.
- 14 Q. Okay. Had you driven that bus before?
- 15 A. Yes, sir.
- Q. Have you driven that bus since, or a bus like that since?
- 18 A. A bus like that since? Absolutely, yes.
- Q. Okay. What route would you have taken from the yard to McCarran Airport?
- 21 A. What route would I have taken? The 215 to 22 Charleston and to Red Rock.

So you went from the yard out at --

- Q. You got ahead of me a little bit.
- A. You said from the yard to where?

- 1 The yard to McCarran Airport. Q. 2 Oh, from the yard to McCarran. Just the 15 3 to Trop, and then Trop to McCarran. 4 And I gather you picked up some persons at Q. 5 McCarran Airport? 6 Correct. A. 7 From out of town? Q. 8 A. Yes. 9 About how many passengers did you pick up? Q. 10 I believe it was 18 people. Α. 11 That got on this MCI J4500? Q. 12 Correct. A. 13 Q. And you were the operator? 14 A. Yes. 15 And you're supposed to take them to where? Q. 16 Red Rock Hotel & Casino. A. 17 Is that the hotel and casino up off of West Q. 18 Charleston?
- 19 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
- 25 Charleston, are you sort of --

A. Yes.

1

4

5

7

- 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?
- 18 A. I'm not familiar with the north, south, and 19 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?
- 24 A. Yes.
- Q. If I tell you that's east, you believe me?

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06331
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- A. We're under oath, so I believe you.

  Q. Okay. And you proceeded down eastbound on
- 3 Charleston. And I think you told us you made a right 4 on -- I did it the wrong way -- eastbound on
- 5 Charleston, you made a right on Pavilion Center?
  - A. Yes.

- 7 Q. So you would have been heading southbound?
- 8 A. Yes.
- 9 Q. When you were on Charleston, did you observe 10 a cyclist?
- 11 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?
- 16 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.
- 21 With the Court's permission?
- THE COURT: Go on.
- THE WITNESS: Where I was; correct?
- 24 BY MR. CHRISTIANSEN:

25

Q. Yes, sir.

```
1
        Α.
            (Witness complies.)
             THE COURT: For the record, will you please
2
3
   describe that.
 4
             MR. CHRISTIANSEN:
                                Sure.
   BY MR. CHRISTIANSEN:
 6
             So you placed the -- the Post-it just west of
7
  the Pavilion Center intersection and eastbound
  Charleston?
9
        Α.
            Right.
10
           And that's where you were driving the MCI
11
  J4500 when you first observed the cyclist?
12
        A.
             Yes.
13
        Q.
            And --
14
             MR. BARGER: May I make a suggestion? Pardon
15 me. Can we write "bus" on that?
16
             THE COURT: Yes.
17
             MR. CHRISTIANSEN: Is that okay with the
18
  Court if I write that?
19
             THE COURT: Yes. Absolutely.
  BY MR. CHRISTIANSEN:
             And was the bicyclist in the designated
21
        Q.
22
  bicycle lane?
23
        Α.
             Yes.
24
             What, if anything, happened next? What did
        Q.
  you observe next?
25
```

```
1 A. I proceeded to make my right turn onto South 2 Pavilion.
```

- Q. Before you turned right, did you have a chance to observe the cyclist turn right onto southbound --
- A. Yes.

4

6

- Q. -- Pavilion Center?
- 8 A. Yes.
- 9 Q. It's not like normal conversation when we're
  10 in a courtroom. So I have to wait for you to finish
  11 your answer. If you'll wait for me to finish our
  12 question so the court reporter has a tough time if
  13 we both talk. Okay?
- 14 A. Yes.
- 15 Q. Okay.
- So you -- you did observe the bicyclist turn south onto southbound Pavilion Center?
- 18 A. Yes.
- Q. After he turned right, or southbound, did you turn right?
- 21 A. Correct.
- Q. And was the cyclist still in front of you at that point?
- 24 A. Yes.
- 25 Q. And was the cyclist still in the marked

```
bicycle lane on South Pavilion Center?
1
2
        A.
              Yes.
3
             And you -- which lane -- there are two travel
        Q.
 4
   lanes we can see on that map there to your right.
 5
   Which lane were you in?
              I was in the -- I was in this lane right here
7
   (indicating).
8
              Is that the lane closest to the bicycle lane?
        Q.
 9
             Yes, it is.
        Α.
10
             Or closest to Red Rock Casino?
        Q.
11
        Α.
             Yes.
12
             So it would be the most western -- it would
        Q.
13
   be the most western southbound lane, the one
14
   immediately adjacent to the bicycle lane on South
15
  Pavilion Center?
16
        Α.
             Yes.
17
             And do you see that little cutout there on
18
   the map to your right, sir --
19
        Α.
             Yes.
20
             -- on South Pavilion Center?
        Q.
21
             Do you know what that is?
22
              I believe that's for the city bus.
        A.
23
             Okay. Is that about the -- the spot where
        Q.
24
   you went past or overtook the bicycle?
```

Yeah. Yeah, on -- a little bit after that,

25

Α.

```
1
   right near that area. Right.
2
             So between the time the bike -- you turn on
3
   Pavilion Center and the time you pass the bicycle at
   the city cutout, is the bicyclist always in the bicycle
   lane?
 5
             Yes.
 6
        Α.
7
             And are you always in your -- the westernmost
        Q.
8
   southbound lane?
9
        A.
             Yes.
10
             And from -- well, let's just say from the
11
   city cutout all the way to the intersection at Griffith
12
   Peak where the incident takes place, do you stay -- up
   until the moment of the incident, do you stay in that
13
14
   same lane?
15
        A.
             Yes.
16
             Okay. Do you ever see the bicyclist
17
   before -- the cutout there north of the intersection,
18
   the city transit bus stop, from the time he turns
19
   south, do you ever see him leave the bicycle lane?
20
        Α.
             No -- no.
21
             All right. You pass him without incident at
        Q.
22
   the city cutout?
```

And then do you remember having your

23

24

25

Α.

Q.

Correct.

deposition taken, sir?

70	Yes
A.	162

2

3

5

7

8

10

- 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.
- 19 THE COURT: Okay. That's fine.
- 20 (Whereupon, Plaintiffs' Exhibits 230
- 21 through 237 were admitted into
- 22 evidence.)
- MR. CHRISTIANSEN: Thank you, Your Honor.
- 24 That was 230 through 237 are admitted, Judge?
- 25 Are they admitted?

```
THE COURT: Yes, they are admitted.
 1
 2
             There's no objection; correct?
             MR. BARGER: No objection, Your Honor.
 3
 4
                          Okay. You may approach.
             THE COURT:
 5
             MR. CHRISTIANSEN: May I have permission to
 6
   publish, Your Honor, as I question Mr. Hubbard?
 7
             THE COURT: Yes, you may.
   BY MR. CHRISTIANSEN:
 9
             Now, Mr. Hubbard, the map that you put the
        Q.
10
   Post-it on up there to your right is a bit further back
11
   than this big giant to-scale map we've got down here in
12
   front of jury; is that fair?
13
        A.
             Yes.
             The to-scale map doesn't show the city bus
14
15
   cutout. Do you remember that?
16
        Α.
             I do.
17
             And when -- showing the jury Exhibit 230.
18
   When Mr. -- at your deposition that was held on
19
   September the 20th, 2017 -- does that sound about right
20
   to you?
21
        Α.
             Yes.
22
             You were first asked to place the bus at that
23
   initial yellow line on the giant map. And you placed
24
   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.

1

2

3

4

5

6

7

9

10

- 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?
- 12 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?

```
9
```

Yes.

Α.

```
1
        A.
             Yes.
2
             With the furthest line out here being
        Q.
3
   300 feet?
        A.
              Yes.
 4
 5
             And by 300 feet, I mean 300 feet from the
        Q.
   stop line at the intersection in Griffith Peak.
7
   that your understanding?
8
             Yes.
        Α.
9
             Where you passed the city bus is probably
10
   another -- what? -- for the city bus cutout, 200 feet
11
   north of there?
12
             I don't know.
        Α.
             Give me your best estimate.
13
        Q.
14
              I really don't know. I would say -- I don't
        Α.
15
   know, sir. I really don't know.
16
             All right. Well, we can see -- you see on
        Q.
17
   this map how the right turn lane cuts into Red Rock
18
   Casino?
19
        Α.
             Right.
20
              If we look for it on the same thing up here,
        0.
21
   you see where it happens right here, the right turn
22
   lane goes into Red Rock Casino?
23
        Α.
             Correct.
24
             Would you say that's another 100, 150 feet?
        Q.
```

```
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?
- 8 A. Yes.

- 9 Q. Okay. And if I just go back and start
  10 placing -- remember Mr. Kemp had you place the bus
  11 every 50 feet all the way up until the intersection.
- 12 Do you recall that?
- 13 A. Yes.
- 14 Q. And I could do that with you for Exhibit 231.
- 15 And that's still you in that westernmost southbound
- 16 lane; correct?
- 17 A. Mmm-hmm.
- 18 Q. Is that a yes?
- 19 A. Yes.
- 20 Q. Sorry. You just have to answer audibly.
- 21 MR. BARGER: May I ask Mr. Christiansen
- 22 something real quick?
- THE COURT: Yes.
- 24 BY MR. CHRISTIANSEN:
- 25 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.
- 7 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?
- 11 A. Yes.

6

8

- 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?
- 15 A. Yes.
- 16 Q. 234, same thing? This is a 100 feet. Is 17 that right?
- 18 A. Yes.
- 19 Q. 235, at 50 feet?
- 20 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?
- 25 A. Yes.

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006342
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- 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.

6

9

- Q. And to the right of the bicycle lane would be a turn-in lane to turn into Red Rock?
  - A. Correct.
- 10 Q. And then there's a through lane to the left 11 of the bus, another through lane; is that right?
- 12 A. Yes.
- Q. Then there's what we've heard called a painted or a nonraised median and then a left turn lane.
- 16 A. Yes.
- Q. And then after the median, there's two northbound lanes on Pavilion Center; is that right?
- 19 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?
- 15 A. Correct.

8

- 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.
- 20 A. Correct.
- Q. And during this time, you were paying attention, was your testimony?
- A. Yes, sir.
- Q. You had operated this bus before?
- 25 A. Yes, sir.

- Q. You knew this bus had blind spots?
- 2 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?
- 10 A. Right.
- 11 Q. And for 450 feet after passing the cyclist at 12 the city cutout, you never saw the cyclist again?
- 13 A. No, sir.
- Q. Okay. And then my recollection of your testimony is that you had entered the intersection.
- 16 Fair?

- Just from this point forward, sir, just from the zero line.
- 19 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.
- 22 But you're just driving southbound?
- A. Correct.
- Q. It's a clear day?
- 25 A. Yes.

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00634
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- Q. There's nothing -- no objects impeding your view of the street in front of you?
  - A. No.

2

3

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?

- 12 A. Yes.
- Q. And "drift" is your word; correct?
- 14 A. Yes, sir.
- Q. And you saw that out -- not out of the windshield, as I understand it?
- 17 A. No. Not the front windshield, no.
- 18 Q. Out of sort of the side of your eye?
- 19 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 25 show -- at your deposition you placed this -- sort of

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006346
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```
tough to see, but this is 237, Mr. Barger.
1
2
             And this is where you placed the bicycle --
3
   try to blow it up, because I hadn't thought to paint a
   bike at this point in my life.
 4
 5
             This is where you placed the bicycle just to
   the right of the bus.
 6
7
        A.
             Yes.
8
             And the bus looks to be about halfway through
        Q.
   that crosswalk where you placed it?
10
        A.
             Yeah.
             So you can see down here, Mr. Hubbard, if I
11
        Q.
   put it about halfway through, maybe a little more, you
12
13
   had the bike just to the right of the bus; is that
14
   correct?
15
        A.
             Right. More -- yes, to the door area right
16
   over here. Yeah.
17
             More to the door area. And in that
        Q.
18
   particular bus, I understand there's a window in the
19
   door. Is that your memory?
20
             I'm not -- I'm not familiar with the window.
        Α.
21
   I know some of them do have a window on the door.
22
   don't remember if that one did or not.
23
             MR. CHRISTIANSEN: Judge, can I pull up what
24
   we call a CAD drawing and let Mr. Barger look at it
25
   before --
```

```
1
             THE COURT:
                         Yes.
2
             MR. CHRISTIANSEN:
                                 Judge, just as a
3
   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
 6
7
   demonstrative, I have no objection.
8
                         Is this the particular bus?
             THE COURT:
 9
             MR. CHRISTIANSEN: Yes, Your Honor, it is.
10
             THE COURT:
                         Okay.
                                 That's fine.
11
   BY MR. CHRISTIANSEN:
12
             So that's a computerized drawing of the
        Q.
   actual inside of this particular bus. And I'm not
13
14
   telling you one way or another where the cyclist was.
15
   I just am focusing you on that door because you
   couldn't recall whether there are windows on that door.
17
   But can you now see there are --
18
        Α.
             Yes.
19
             -- windows on this particular door?
        Q.
20
             Yes.
        Α.
21
             And so when you told the jury, out of your
   peripheral vision, you would have seen the bicyclist
23
   drifting, think it could have been in that door that
24
   you saw that?
```

It could have been, yes.

Q.

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76348
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1 And if it was in the door, just physics would Q. dictate that the nose of that bus had passed the 3 bicyclist; correct? 4 Α. Yes. Yes. All right. I remember questions being posed 5 Q. to you, Mr. Hubbard, in your deposition about your 7 knowledge of aerodynamics and air blast. And my recollection is you didn't have any particularized knowledge? 10 Α. No, sir. 11 You never been trained relative to air blast? Q. 12 MR. BARGER: Objection. Leading. 13 THE COURT: Sustained. 14 BY MR. CHRISTIANSEN: 15 Had you ever been trained as to a possible Q. hazard of an air blast? 17 A. No. 18 And in terms of your personal habits, if 19 you're trained about something relative to safety, do 20 you heed those training warnings? 21 Α. Absolutely. 22 And you've never been told that a bus could 23 create air displacement? 24 A. No, sir.

You don't know, as you sit here today, you

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006349
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1 know, ten-plus months later, Mr. Hubbard, what caused 2 that bike, using your words, to drift into your lane? 3 Α. I do not know. Do you know what a proximity sensor is? 4 Q. 5 I've heard of it, yes. Α. This bus did not have a proximity sensor? 6 Q. 7 Α. No. 8 Anything that would have warned you earlier Q. 9 about the cyclist would have caused you to take evasive 10 action earlier; fair? 11 MR. BARGER: Objection. Form. 12 THE COURT: Sustained. BY MR. CHRISTIANSEN: 13 14 Well, I'll ask it to you differently. 15 The second -- what did you do the second you saw the bicycle drifting in your peripheral vision? 16 17 A. I proceeded to (witness indicating) turn my 18 steering wheel to the left to avoid hitting him, 19 because he was that close to --20 **Q**. You were --21 Α. -- the bus. 22 You were close to him when you saw him? Q. 23 Α. Yes. 24 You took -- I'll use your words again from Q. 25 your deposition -- evasive action?

```
10
11
```

```
A.
      Yes.
```

2

3

4

6

7

8

9

22

- And had you been alerted to the cyclist earlier, you would have taken evasive action earlier?
- MR. BARGER: Objection. Leading.
- 5 THE COURT: Sustained.

## BY MR. CHRISTIANSEN:

I'll ask it differently. Q.

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.
- 12 Q. And there are no proximity sensors on this 13 bus?
- 14 A. No.
- 15 But there are blind spots on this bus? Q.
- 16 A. Yes.
- 17 And so I'm understanding you correctly, sir, Q. 18 the bus that you were operating and driving for that 400 feet between the pink Post-it on the map and the 19 20 zero line, you were -- you did not, at any point in 21 time before this intersection, between that 450 feet
- You mean from the cutoff -- cutout? 23 Α.

that we're discussing, see the cyclist?

- 24 Yes, sir. Q.
- 25 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 ...
- 11 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?
- 20 A. Yes.

7

8

- Q. That's -- is that the rear of the Motor Coach Industries J4500 you were operating on the day in question?
- 24 A. Yes.
- Q. And if I zoom it in, you see law enforcement,

```
1
   sir?
         Is there law enforcement there?
2
        A.
              Yes.
 3
             And first responders, like ambulance -- I
        Q.
 4
   mean, like a fire truck?
 5
        Α.
              Yes.
              If I zoom it in real tight on this angle, do
 6
7
   you see a maintenance worker up here standing by his
   maintenance truck?
9
        A.
             Yes.
10
             Do you recall a maintenance worker actually
11
   approaching the doctor after the collision took place?
12
             No, sir.
        A.
13
             Do you see the bicycle that was being
14
   operated by the doctor?
15
        Α.
             Yes.
16
              Is that about in the location, to the best of
        Q.
17
   your recollection, where the bicyclist came to rest
18
   after the collision?
19
        Α.
             Yes.
             I'll show you just a more of a close-up
20
             It looks like the photographer got a little
21
   version.
22
   closer.
            This is 219. That's been admitted into
   evidence.
23
24
              Is that that same view, sir?
```

Yes.

Α.

25

1

3

5

6

7

```
06353
```

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,
9 Your Honor, Exhibit 237.

10 BY MR. CHRISTIANSEN:

- 11 Q. And that was about halfway through the 12 cross -- over the crosswalk right here?
- Q. And that crosswalk is the crosswalk that goes east-west over the lanes that go north-south on
- A. Correct.

Pavilion Center?

- 18 Q. That's when the bicyclist -- you see the 19 bicyclist out of the side of your eye?
- 20 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.

2

3

4

5

7

9

- 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?
- 18 A. I don't know.
- 19 Q. I'm sorry?
- 20 A. I don't know if he was still on the bike.
- Q. He was near this area where the bicycle is?
- 22 A. Correct, yes.
- Q. Okay. So the bike -- if I -- the bike was somewhere right here but on its side.
- 25 A. Yes.

```
00635
```

- 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?
- 13 A. No, sir.
- Q. Did you hear any noise like contact noise?
- 15 A. No, sir.
- Q. Or a thump or anything of that nature?
- 17 A. No.

- 18 Q. Okay. Once you stopped the bicycle, what is 19 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

```
006356
```

out --

```
1
   calling 911 to explain what happened.
2
             The rearview mirrors on my little pretend bus
3
   aren't so great, but would you have been able, you
   think, looking in the rearview mirror from sitting in
 5
   the driver's seat, to see the bicyclist, you know, on
   the pavement before you even got off the bus?
7
             I'm sorry?
        A.
8
             Once you stopped the bus, just from looking
        Q.
9
   in your rearview mirror on the right side, were you
10
   able to see that the cyclist was on the pavement?
11
        Α.
             Yes.
12
             Then you got off the bus?
        Q.
13
        A.
             Right. Yes. I dialed 911, got off the bus,
14
   yes.
             And do you know now -- I know you didn't
15
        Q.
16
   then -- that there was a video camera, I think right
17
   about here on the top of the parking structure at Red
18
   Rock?
19
             Okay. I didn't.
        Α.
20
             Have you seen the video?
        Q.
21
             Of course. Yes.
        Α.
22
             MR. CHRISTIANSEN: Can I have that video,
23
   Shane?
24
             Just want to see if you can help us figure
```

```
1
             Ms. Court Recorder, can we have control to my
2
   side, please.
3
                   (Whereupon video deposition was played.)
 4
             MR. GODFREY:
                            It's Exhibit 3.
 5
             MR. CHRISTIANSEN:
                                 It's Exhibit 3, Your
 6
   Honor, for the record.
7
              THE COURT: Okay.
   BY MR. CHRISTIANSEN:
9
              Is that your bus, Mr. Hubbard?
        Q.
10
        Α.
             Yes.
11
             Proceeding through the intersection?
        Q.
12
        A.
             Yes.
13
        Q.
             Do you see that water bottle in between the
14
   fronds there on the ground?
15
        Α.
             Uh-huh. Yes.
16
             And did you see the two young folks from the
   motorcycles there on east -- westbound Griffith Peak
17
18
   approach the cyclist?
19
        Α.
             Yes.
20
             And then this white box truck, do you see it
   come in and block off, and then I think the driver gets
21
22
   out as well?
23
        Α.
             Yes.
24
             Then at some point, I think we're going to
        Q.
25
   see you. You actually go back, and I think you're on
```

```
1
   the phone with 911 maybe?
2
        A.
             Yes.
3
             You go back and see what's going on. And you
        Q.
   can see that gardener we talked about earlier there in
   the green, can't you?
             I have seen it. I have seen it already.
        Α.
7
   Yes.
8
             I'm sorry, sir. You just have to go through
        Q.
   and answer the questions with me.
10
        A.
             Yes.
11
             Is that you, sir, in the white top with the
        Q.
   phone to your right ear?
12
13
        A.
             Yes.
14
             Yes, sir. Sorry. You just have to answer
        Q.
15
   audibly, Mr. Hubbard.
16
        Α.
             Yes.
17
             MR. CHRISTIANSEN: Okay. Shane, that's good.
18
             Judge, can we approach on a quick matter?
19
             THE COURT: Yes.
20
                   (A discussion was held at the bench,
21
                    not reported.)
22
   BY MR. CHRISTIANSEN:
23
             As you sit here today -- well, when you
        Q.
24
   approached the cyclist, Mr. Hubbard, did he have his
25
   helmet on still?
```

- A. I don't recall. I don't remember.
- Q. Did he appear to be injured?
- 3 A. Absolutely.

7

- Q. And you were calling first responders to come below him?
- 6 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?
- 17 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?
- 21 A. Yes.
- Q. But that you were unable to see him from the intersection --
- A. I'm sorry. What did you just say?
- 25 Q. That you were unable to see him?

Α.

```
1
             No, the question before that.
        A.
   BY MR. CHRISTIANSEN:
3
             I don't remember. I think I said -- I'll
        0.
 4
   paraphrase.
 5
             THE COURT: Would you like it read back?
             MR. CHRISTIANSEN: Sure. You know what?
 6
7
   can read it. I got the same thing.
   BY MR. CHRISTIANSEN:
             The question I said, "And it has been your
9
        Q.
10
   testimony, sir, that before he drifted -- to use your
11
   words -- into your lane, he had to have been in the
12
   bike lane; correct?
13
        Α.
             No, I -- I never said that.
             You never said he was in the bike lane before
14
15
   you saw him?
16
        A.
             No, I never said that.
17
             So we're clear, when you see him on the map
18
   that you've put the pink Post-it, he was in the bike
19
   lane at the city bus cutout.
20
        Α.
             Correct. Yes.
21
             And then you don't see him at all until he
22
   drifts into your peripheral vision --
             That's correct.
23
        Α.
24
             -- in that intersection?
        Q.
```

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.

5

6

7

8

17

18

19

20

21

22

23

24

- Q. So I don't want you to guess. Okay?
- 9 A. Right. But he was not in the bike lane
  10 because I would have seen him riding beside me.
- 11 Q. You would have?
- 12 A. Of course. I'm -- that's the whole reason
  13 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?

- 1 A. Yes.
- 2 Q. And then Mr. Kemp asked some questions?
- 3 A. Yes.
- 4 Q. And then I asked you some questions?
- 5 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.
- 9 A. No, I did not.
- 10 Q. All right. So that's still your testimony?
- 11 A. Yes, sir.
- 12 Q. Did this particular bus have a side camera on
- 13 | it?
- 14 A. No, sir.
- 15 Q. Have you operated buses with 360-degree
- 16 cameras?
- 17 A. No, sir.
- 18 Q. Have you operated buses that have cameras on
- 19 them that show the outside of the bus?
- 20 A. No, sir.
- 21 Q. Have you operated buses with proximity
- 22 sensors?
- 23 A. I have, yes.
- 24 Q. No backup cameras on any bus?
- 25 A. No.

3

4

5

6

7

8

19

20

21

22

23

24

25

Α.

indulgence?

Q.

A.

Q.

barrier?

Yes.

```
9
              No, sir.
        Α.
10
              But you have seen wheel covers on buses?
        Q.
11
        Α.
              I have.
12
              They exist?
        Q.
13
        A.
              Yes.
14
              They're used on coaches?
        Q.
15
              I don't know. I haven't seen them -- I've
        Α.
16
   seen them on city buses; I don't know about -- I
17
   haven't seen ...
18
              You just know that there wasn't any type of
```

safety device on this particular bus?

THE COURT:

concludes direct examination.

No -- no covers, no.

Yes.

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

Do you remember those questions?

This bus didn't have any such protective

MR. CHRISTIANSEN: Can I have the Court's

MR. CHRISTIANSEN: Your Honor, I believe that

the top of the rear tires of buses.

```
1
              Thank you, Mr. Hubbard.
 2
              May I approach the clerk, Your Honor, just to
 3
   give this stuff back?
 4
              THE COURT:
                          Sure.
 5
 6
                       CROSS-EXAMINATION
 7
   BY MR. BARGER:
 8
              Mr. Hubbard, do you want some water?
        Q.
 9
              No, thank you.
        Α.
10
              MR. BARGER: I think I need a microphone.
11
              THE COURT RECORDER: Right here.
12
   BY MR. BARGER:
13
        Q.
             Good afternoon, sir.
14
             Hello.
        Α.
15
             We've never met.
        Q.
16
              We've never met; correct?
17
        A.
             Not to my knowledge.
18
        Q.
              Okay. My name is Darrell Barger, sir, and I
19
   represent MCI. Okay?
20
        A.
              Yes.
21
        0.
              Hi.
22
              And I want to go back over a little bit, you
23
   were asked about your background. You drove city buses
24
   in New York City, in Brooklyn, for how many years?
25
              Almost 12 years.
        Α.
```

```
1
            Okay. And you -- before that, you obtained
       Q.
2
  your CDL license, and you studied to get that; correct?
3
       A.
            Yes.
4
            And when the -- you went to work for the
       Q.
  New York City Transit, I assume that you went through
5
  some effort to learn about driving buses?
7
```

- Α. Yes.
- 8 And you worked there for -- for how many **Q**. years?
- 10 2004 until 2016. A.
- 11 Okay. So you drove -- and you worked, I Q. 12 quess, full time?
- 13 A. Absolutely.
- 14 All right. So you drove -- you've driven a 15 lot of transit, city buses even in New York City and 16 Brooklyn; right?
- 17 Α. Yes.
- 18 And I'm going to assume, 'cause I've been to 19 both, that it's much more heavy traffic in New York 20 City and Brooklyn than it is out by the Red Rock 21 Casino?
- 22 Absolutely. Α.
- All right. And when you drove those buses 23 Q. 24 for 10 or 12 years, at some point, you came to 25 Las Vegas; correct?

A. Yes.

1

5

- 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?
- 10 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?
- 19 A. Some of them are, yes.
- Q. And it's lower to the ground; right?
- 21 A. Yes.
- Q. The -- the motor coaches like this that travel across the country are higher off the ground?
- 24 A. Yes.
- Q. All right. And a lot of transit buses have

```
1
   front door and back door, and they had two sets of
2
   doors on the side; right?
              Some, yes.
3
        A.
 4
             And most motor coaches have the front doors;
        Q.
5
   right?
 6
        A.
             Correct.
7
             All right. So there is a difference in your
        Q.
8
   own mind in driving the two; correct?
9
        A.
             Correct.
10
             Now, when you came to Las Vegas, you went --
        Q.
11
   you worked for Michelangelo; correct?
12
        A.
             Yes.
             And Michelangelo's has all kinds of buses;
13
        Q.
14
   right?
15
             Charter buses, yes.
        A.
16
        0.
              Charter buses and -- excuse me. Not only did
17
   they have MCI buses, but they had other people's buses
18
   as well; right? So you've driven several types;
19
   correct?
20
        Α.
              I have.
             Okay. You were driving that day an MCI bus;
21
        Q.
22
   right?
23
        Α.
             Yes.
24
             You don't work for MCI or anything; you are
        Q.
25
   employed by Michelangelo, which now is called a
```

```
1
   different name; right?
 2
        A.
             Yes, sir.
 3
             All right. What I want to talk with you --
        Q.
 4
   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
 7
   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?
10
        A.
             Yes.
11
        Q.
             Okay.
12
             THE COURT:
                         That's fine.
13
             Mr. Barger, do you want him --
14
             MR. BARGER: Yes, Your Honor, if that's okay.
15
             THE MARSHAL: Step down. Watch your step and
16
   speak into the mic.
17
             MR. BARGER: And can we show the big blowup
18
   first of -- that has Charleston.
19
   BY MR. BARGER:
20
             I'm going to ask you, if you can, just to
        Q.
21
   look behind you first. I'm going to sneak right by you
22
   if that's okay. And we'll do this with both this
23
   chart. You see this is the one you used over here?
24
        A.
             Yes.
25
```

So, as I understand it, you left the airport,

Q.

```
and you came around what's called 215, and you exited
1
   at the Charleston exit; is that correct, sir?
3
        Α.
             Yes.
 4
              Okay. And then you came -- that would be
        Q.
5
   heading east on Charleston.
 6
        A.
             Yes.
 7
        Q.
             And you've driven that area a lot; right?
8
              I have.
        Α.
 9
             Yeah.
                     That's not the first time you were
        Q.
10
   there; you drove it a lot. Fair?
11
        A.
             Yes.
12
             And as you came east on Charleston, you were
13
   in the right-hand travel lane; is that right?
14
              I was in this lane right here (indicating).
15
             Okay. This lane -- see that little white car
        Q.
   I'm taking right there? You were in this lane right
17
   here?
18
             No, sir, I was in this lane.
19
              I'm sorry. Where the black car is, you were
        Q.
20
   in that lane?
21
        Α.
             Yes.
22
              Is there a bicycle lane next to that lane?
        Q.
23
              I believe it's right here.
        Α.
```

Okay. And you're pointing to what you say is

a bicycle lane just to the right of the lane you were

24

25

Q.

1

2

3

4

5

6

7

8

10

11

in; right?

Α.

Q.

A.

Q.

A.

little.

right?

Yes.

Yes.

for the first time?

I'm sorry.

A. Correct.

16

Q. Both of you turn right, which would be going south on Pavilion; correct, sir?

And I think we both have to step back just a

As you were coming down, you saw the bicycle;

All right. And when you saw the bicycle, do

you know where the bicycle was when you saw the bicycle

Right where the blue sticker is.

17 18

A. Yes. I turned after him.

19

Q. Yeah, I was going to ask you. Who turned

20

first?

A. The bicyclist.

22

21

Q. So the bicycle turned first, and then he

23 turned into the bike lane on Pavilion?

A. Correct.

25

24

Q. And then you turned secondly?

```
1 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?
- 5 A. Yes.

9

- 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?
- 11 A. Correct.
- 12 Q. And you initially saw him; right?
- 13 A. I did.
- Q. Now, do you remember the speed limit on that particular road? I think it's 30 to 35.
- 16 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?
- 22 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.
```

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?
- 9 A. I think this might be the front area. This
  10 is for the hotel entrance, back here where you take
  11 people who are checking in.
- 12 Q. There's a hotel and a casino?
- 13 A. Correct.

Q.

4

- 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?
- 18 A. Correct.
  - Q. You weren't going over here?
- 20 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?
- 23 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?
- 5 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.
- 10 Q. And the bicyclist is out in front of you 10 11 or 15 feet?
- 12 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?
- 16 A. Correct.
- 17 Q. And you passed the bicyclist?
- 18 A. Yes.
- Q. All right. And you have -- you didn't have any trouble passing the bicyclist; right?
- 21 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?
1
2
             How far was he to -- oh, 5, 7 feet over.
        Α.
 3
             Okay. In the bicycle lane as you went by?
        Q.
             Correct.
 4
        Α.
 5
             Okay. And now I want to step to here if you
        Q.
 6
        Sorry. I don't mean to step in front of you.
7
   Please go ahead.
8
             Now, at some point, you passed the bicyclist
   back here, right, because it's not on this map?
10
             Yeah, the cutoff is somewhere in here.
11
             Okay. And I think the testimony earlier was
        Q.
   maybe it was about 450 feet back from this
12
13
   intersection; right?
14
        A.
             Correct.
15
             All right. So the first time -- I mean, when
        Q.
16
   you went past him, did you ever see him again till we
17
   get to the very end?
18
        A.
             No, sir.
19
             And you were going about 25 or 30 miles an
        Q.
20
   hour at that point?
21
        Α.
             Yes.
22
             You know how fast the bicyclist was going?
        Q.
23
        A.
             I don't know.
24
             I want you to, if you can, maybe assume that
        Q.
```

there's been testimony you were going about twice as

```
fast as the bicyclist. In other words, for every
1
   36 feet you went, he went about 17 feet. Does that
2
3
   make sense to you, or am I --
             I understand what you're saying.
 4
        Α.
 5
             So, in other words, you passed the bicyclist
        Q.
   and you just kept going?
 6
7
        Α.
             Correct.
8
             And you never saw the bicyclist speed up?
        Q.
9
   fact, you -- he'd have to be going 40 to 50 miles an
10
   hour on a bicycle to catch up to you, wouldn't he?
11
        Α.
             Right.
12
             And that didn't happen, did it?
        Q.
13
        Α.
             No.
14
             As you're going -- and I -- I've read your
        Q.
15
   deposition -- I didn't go to it -- but at the 300 feet
16
   mark, 300-foot mark, by then you had passed the
   bicyclist; correct?
17
18
        Α.
             I would --
19
             Yeah, let me show you -- let me assure you
        Q.
20
   that back here is the bus -- the transit bus turn-in
21
   lane; right? It would be back here off the map.
22
             So you've already passed that, and you've
23
   passed the bicyclist?
24
        A.
             Right.
25
```

And at 300 foot, you -- I assume that you

Q.

```
006376
```

```
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.

5

6

7

8

- 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?
- 15 A. That's how I was trained.
- 16 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 --

- 22 A. Yes.
- 23 Q. -- because you talk about a blind spot?
- 24 A. Yes.
- 25 Q. And you agree with me, every bus you've ever

```
driven has a blind spot, doesn't it?
 1
 2
        A.
              They do.
 3
             And every -- have you driven big trucks?
        Q.
 4
   Have you ever -- like 18-wheelers and that?
 5
        Α.
             No, sir.
             Okay. But even your car has a blind spot,
 6
 7
   doesn't it?
 8
        A.
              Yes.
 9
             There's not a vehicle on earth that doesn't
        Q.
10
   have a blind spot, is there?
11
        A.
             Correct.
12
             That's why you, as you told us, you were
        Q.
   looking in the mirrors, but you're also rocking and
13
14
   rolling to make sure; right?
15
        Α.
             Yes.
16
             And that blind spot is really for a
   split-second, isn't it? Because if you're driving and
17
18
   you get past somebody, you're no longer in a blind spot
19
   at all, is it?
20
        Α.
             Correct.
21
             Just -- just a split-second, there might be a
        Q.
22
   blind spot; right?
23
        Α.
             Correct.
24
             All right. So I want to ask you -- I'm going
25
   to put the bus at 250 -- at 250. And I'm -- and the
```

```
00637
```

Α.

```
1
   angle isn't meant to be an angle. It's just the way
2
   I've set it down. Okay?
3
             At 250, you, I presume, would be looking
4
   forward in your mirrors and doing the rock and roll?
 5
        Α.
             Yes.
             All right. And you did not see a bicyclist?
 6
        Q.
7
        A.
             No, sir.
8
             Clearly, when you passed him, he was in the
        Q.
   bike lane, but, after that, you really don't know what
10
   he did; isn't that fair?
11
        A.
             That's correct.
12
             And am I too close to you? I don't mean to
        Q.
   get too close. I promise you I don't have the flu.
13
14
        Α.
             All right.
15
             So you drive on to 200, and you do not see
        Q.
16
   the bicyclist; correct?
17
        Α.
             Correct.
             And without being repetitious, you're still
18
        Q.
19
   watching, rocking, rolling, and looking in the mirrors?
20
        A.
             Yes, sir.
21
             And you don't see him anywhere behind you,
        Q.
22
   and you're going over twice as fast as he is; right?
23
        Α.
             Correct.
24
             So he's not catching up to you at all, is he?
        Q.
```

I really don't know what he's doing.

```
1
   he's not in the bike lane.
 2
              That's fair. You know he's not in the bike
        Q.
 3
   lane?
 4
             Correct.
        Α.
 5
             But you didn't see him in the bike lane?
        Q.
 6
             No, sir.
        A.
 7
             Now, let's go to 150 feet. Same question:
        Q.
                                                            Ι
   assume you're doing your driving, you're looking. You
   did not see him at all?
10
        A.
             No, sir.
11
             He certainly wasn't in any blind spot, was
        Q.
12
   he?
13
              I don't know where he was. I can't answer
        A.
14
   whether he was in a blind spot.
15
             He certainly wasn't up here in the bike lane
        Q.
16
   next to you; right?
17
        A.
             No, sir.
18
             All right. You don't know where he was.
        Q.
19
   that's fair?
20
        A.
             Correct.
21
             All right. Now, as you go to the 100 feet,
        0.
22
   did you see him?
23
        Α.
             No.
24
             Are you again looking in your mirrors, you're
```

going twice as fast as he was, and you're doing the

```
1
  rock and roll movement?
2
             Well, I don't know if I'm going twice as fast
3
   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
7
   going to be going faster; I may be starting to
   decelerate.
9
             You may be coming down from 35 to a little
        Q.
10
   bit lower?
11
             Right. I may be -- yes.
        Α.
12
             You may be going 32, then 33. You are aware
        Q.
13
   that there was -- I know there's a light there, but it
   wasn't red because -- you saw the video; you go right
14
15
   through it. And you didn't run a red light. It didn't
16
   happen?
17
        Α.
             Yeah.
18
             Okay. All right. So I will tell you there's
19
   some experts in the case -- and you probably don't know
20
   this -- who have said at the time up here that you were
   going about 25 miles an hour. Okay?
21
22
        Α.
             Okay.
23
             Up here close to this area of the zero mark;
        Q.
24
   right?
```

So as you get to 50, you still didn't see

```
1
   him; right?
2
        A.
             Correct.
3
             Now -- and as you get to right in here,
 4
   somewhere between 50 and zero, you still did not see
   him; right? You --
 5
             Yes. Little bit closer, I saw him, little
7
   bit closer to the crosswalk.
8
             Before we get to the crosswalk -- I'm back
        Q.
   from the crosswalk -- you did not see him, and you were
10
   looking?
11
        Α.
             Correct.
12
             All right. And if he would have been -- if
        Q.
   he had been 10 to 15 feet in front of you in the bike
13
14
   lane, you would have seen him, wouldn't you?
15
        Α.
             Yes.
16
             And when you get up here -- and here's what I
17
   want you to do instead of me to do now. Okay? Show
18
   me, if you will, where the bus was when you saw him
19
   come into the side of the bus. Okay?
20
             I would say about somewhere right there
        Α.
21
   (witness indicating).
22
             Okay. And I want to let the record
23
   reflect --
24
             That might be out a little bit further, but
        Α.
```

somewhere in there.

```
1
             Why don't you put it your best shot. Okay?
        Q.
 2
             So this is somewhere like that.
        A.
 3
             Okay. So it's past zero; right?
        Q.
 4
             Correct.
        Α.
 5
             MR. BARGER: And, Your Honor, may I take a
 6
   photograph of this with the iPhone? Can we have
7
   somebody do that?
8
             MR. KEMP: I want to watch this, Your Honor.
 9
             MR. BARGER: Oh, I'll do it. Sure.
                                                   I'll use
10
   your phone.
11
             MR. KEMP: No, you won't.
12
             MR. BARGER: Let me have my phone.
13
             THE COURT RECORDER: Can you hold the
14
   microphone closer, please.
15
             THE MARSHAL: Is it responding to your voice?
16
             MR. BARGER: I'm multitalented.
17
             MR. KEMP: I want to see.
18
             MR. BARGER: Why don't you come watch me do
19
          That's fine. Let me take a couple. Can you
   that.
20
   look past me, over my shoulder to make sure I'm taking
21
   this okay? You see that? Okay.
22
             I'm going to move over here, with the Court's
23
   permission, to take another photograph and then --
24
                         That's fine.
```

MR. BARGER: And then, Your Honor, with the

THE COURT:

25

```
1
   lawyers present in front of -- we will download these
2
   so we can take a print.
3
             THE COURT: Okay.
 4
   BY MR. BARGER:
5
             And I'm going to ask you if you can come with
        Q.
   me if you don't mind, sir.
7
             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
10
11
   picture. Okay? All right?
12
             Thank you.
13
             Now what I want you to do next is show me
   where the bicycle -- put the bicycle in there, if you
14
15
   will, because you said what you did out of your -- was
   it your peripheral vision you saw the bicycle come in
16
17
   and hit you?
18
        Α.
             No.
                  Right here.
19
             Somewhere in there?
        Q.
20
             Yes, sir.
        Α.
21
             This happened pretty fast; fair?
        Q.
22
             Very fast.
        Α.
23
             I mean, faster than we want to realize,
        Q.
   didn't it?
24
25
             All right. So, when you saw the bicycle come
```

25

```
1
   in, you don't know where it came from, do you?
2
        A.
             No, sir.
 3
             And what you told Mr. Christiansen was that
        0.
   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
7
   your doing that; right?
8
             Yes, sir.
        A.
 9
             All right. So is it your testimony -- I'm
        Q.
10
   going to move this back.
11
             Is it your testimony that, at some point back
   here, you never saw Dr. Khiabani in the bike lane?
12
13
        A.
             No, sir.
14
        Q.
             Is that correct?
15
             That's correct.
        Α.
16
        Q.
             All right. And then up -- again, I'm going
17
   to ask you to move it back so --
18
             I should have turned this because it was more
19
   like -- it was more like this than it was straight.
20
   You understand?
21
            Yes, sir?
        Q.
22
             It was more like (witness indicating).
23
             What I want you to do now is move the bus
        Q.
```

back where it was and put the bicycle at the -- where

you thought it was. And you say it's kind of more

25

Q.

Α.

Yes.

```
turned. I don't want to use any words. I want you to
 1
 2
   show --
 3
             Yeah, because he -- he was -- and he was
        Α.
 4
   coming in. He wasn't straight. He was coming in.
 5
             All right. I'm going to take a picture of
        Q.
   that as well.
 7
             That's when you immediately turned to the
 8
   left; right?
 9
        Α.
             Correct.
10
             All right. And we've seen the videos and all
11
   the pictures, that the bus ended up across over here;
12
   right?
13
        Α.
             Yes.
14
             Right. You can take your seat, sir.
        Q.
15
   you.
16
             THE MARSHAL: Thank you, sir.
  BY MR. BARGER:
17
18
             As you drive the MCI bus -- or any bus, but
19
   let's talk about this MCI bus. As you drive that, do
20
   you now -- do you now remember seeing the photographs
21
   that there -- the right front door where the passengers
22
   come in, there are windows there; right?
23
        A.
             Yes.
```

And you can see out; right?

```
1
             All right. And, like I said before, if
        Q.
   there's -- if the bicycle is out in front of you 10 or
3
   15 feet, there's nothing blocking your view from seeing
   that; correct?
             Out in -- directly in front of me?
 5
        A.
             Yes.
 6
        Q.
 7
        A.
             No.
8
             Okay. And out in front, like, if he was in
        Q.
   the bike lane 10 or 15 feet out in front, nothing
10
   blocking your view seeing him?
11
        Α.
             No, sir.
12
             Is that correct?
        Q.
13
             Yes, sir.
        Α.
14
             All right. Now, there was a question -- and
   I'm almost through, because I know you're ready to get
15
16
   out of here. Okay? There's a question asked you about
17
   aerodynamics.
18
             You're not an aerodynamic engineer, are you?
19
        A.
             No.
20
                 You've driven buses for 20-something
        Q.
             No.
21
   years; right?
```

And you know when a bus is going down the

22

23

24

25

A.

Q.

you, is it?

I have.

road, there's some air disturbance.

That's not new to

```
1
        A.
             That it -- what -- I don't --
2
             When you're going through and you're going,
3
   driving a bus, coming towards you, there's air coming
 4
   at you; right?
 5
        A.
             Okay.
             And, as you said -- you said in your
 6
7
   deposition -- and let me just read you a question.
8
             MR. KEMP: Your Honor.
 9
             THE COURT: Is that an objection?
10
             MR. BARGER: I will ask it a different way.
11
   It's fine.
12
             THE COURT: Okay. Sustained.
13
   BY MR. BARGER:
14
             Let me ask you a question. Is it your
15
   understanding that, if a bus is moving at 30 or
16
   35 miles an hour, that that will cause air blast or air
17
   displacement at the front of the bus? Have you ever
18
   heard that?
19
        Α.
             No, sir.
20
             Do you remember what you said in your
   deposition?
21
22
             Some of it. I don't remember everything.
        A.
23
             Okay. Let me ask permission to have that --
        Q.
  I'll hand you your deposition, the original. They have
24
```

to open it, though.

```
006388
```

```
1
             I will turn to a page for you before I hand
 2
   it to you, if I may. I'm going to show you something
 3
   on page 76. Okay?
 4
             MR. BARGER: I have to show him this, Your
 5
   Honor?
             THE COURT:
 6
                          Yes.
 7
   BY MR. BARGER:
 8
             You see at the top of the page, it will say
        Q.
   the page number? Okay? And these are the line
10
   numbers.
             Okay? You see that?
11
             Okay. What I'm going to do is read to you
12
   the question that was asked you by Mr. Kemp.
13
             If you'll look at line 8.
             Uh-huh.
14
        A.
15
             Actually, line 11. I'm sorry. The question:
        Q.
16
             "Do you have any sort of undertaking --
        understanding" -- I'm sorry -- "that a bus, if
17
18
        it's moving at 30 to 35 miles an hour, will
19
        cause air blast or air disturbances at the
20
        front of the bus? Have you ever heard of
21
        that?"
22
             What was your answer?
23
        Α.
             "Yes."
24
             And then it keeps going, and we'll read that.
        Q.
25
             Let me ask you. When you say yes to that,
```

then.

```
does that mean that you know there's air coming because
1
   the bus is driving into it, and it's called -- whether
   it's ever called an air blast. You never heard that
3
   term before, did you?
 4
        Α.
 5
             No.
             But you've heard of air disturbance, because
 6
7
   you know a bus going at 35 miles an hour through the --
   driving down the road, there's a little air; right?
9
        A.
             Correct.
10
             Okay. And that's my point. The word "air
        Q.
11
   blast," whatever that means, you know that there's air
12
   moving around a bus when you're driving through the
13
   air?
14
        Α.
             Right.
15
        Q.
             That's nothing new to you?
16
                  I think that's what it means when I said
        Α.
             No.
17
   yes.
18
             MR. BARGER:
                           If I may have one minute?
19
             THE COURT:
                         Yes.
20
             MR. BARGER: Mr. Hubbard, thank you very much
21
   for coming.
                That's all I have.
22
             Pete, let me give up the mic.
23
             MR. CHRISTIANSEN: I don't need it.
24
                          Let me give it to the Court,
             MR. BARGER:
```

```
THE COURT: Redirect, Mr. Christiansen?
1
 2
             MR. CHRISTIANSEN: Please, Your Honor.
 3
             THE COURT: You may proceed.
 4
             MR. BARGER: Judge, can we approach the bench
5
   for a second? I don't want to admit my phone.
 6
             MR. KEMP: Okay.
7
             MR. BARGER: He's trying to trick me to admit
   my phone, and I'm not going to do that.
 9
             MR. KEMP: He needs to move to admit the
10
   picture before he sits down.
11
             MR. BARGER: You want them printed? Do we
12
  have to print them first?
13
             MR. KEMP: Doesn't have to be right now, Your
14
  Honor.
           I just wanted to -- okay.
15
             THE COURT: I am not certain how many
   pictures you took.
17
             MR. BARGER: I think they were four or five.
18
  They'll all be here. I will move to admit the
19
   pictures. But, Your Honor, I do not want to admit the
   phone. My wife wouldn't like that very much.
21
             THE COURT: Understood.
22
             Any objection?
             MR. KEMP: No objection.
23
24
             THE COURT: Very good. Those will be?
25
             THE CLERK: Next in line is 238. You're
```

```
1
   saying there's four?
 2
             THE COURT:
                         No, defense.
 3
             MR. BARGER: You know what?
 4
             THE CLERK: Oh, I'm sorry. Yeah. I'm sorry.
 5
             THE COURT: The next in line is 503.
 6
             THE CLERK: Yes.
 7
             MR. BARGER: There are five, Your Honor.
 8
             THE COURT: Five?
                                 So 503. They start at
   503.
10
             THE CLERK:
                         Through 507.
11
             THE COURT: So 503 through 507 of defense.
12
             MR. BARGER: Five photographs.
             THE COURT: Exhibits 503 through 507 of
13
14
   defense exhibits. Okay?
15
             MR. BARGER: I will print them and have them.
16
             THE COURT:
                         Yes.
17
                   (Whereupon, Defendant's Exhibits 503
                   through 507 were admitted into
18
19
                   evidence.
20
             THE COURT: There's no objection. They will
21
   be admitted.
                 Okay.
22
             MR. CHRISTIANSEN: May I proceed, Your Honor?
23
             THE COURT: Go on, please.
24
25
   /////
```

## 1 REDIRECT EXAMINATION 2 BY MR. CHRISTIANSEN: 3 Okay. Mr. Hubbard, just a few follow-up Q. 4 questions. 5 Back in September, on the 20th at your 6 deposition, you got to place on this very same board 7 the same bus and the same bike, but the bike hadn't been painted yet. Is that fair? 9 A. Yes. 10 And Exhibit -- picked up the one. I think 11 this might be 37. I grabbed the ones --12 MR. CHRISTIANSEN: Ms. Clerk, can I have the last five I marked? 230 through 237, I believe. 13 14 THE CLERK: Uh-huh. 15 MR. CHRISTIANSEN: Thank you. 16 THE CLERK: Welcome. 17 BY MR. CHRISTIANSEN: 18 Mr. Hubbard, I just want to show you --19 Mr. Barger had you place the bus a few seconds ago; 20 fair? 21 Α. Yes. 22 When you placed it back in September at your 23 deposition at the zero line, you did not see the 24 bicycle; correct? That's Exhibit 236. 25 Correct. Α.

```
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?
- 10 A. My -- I don't -- I don't know. I -- I don't 11 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 --
- 15 A. Right.

2

3

- 16 Q. -- and then we took a picture. You remember 17 that?
- 18 A. Yes.
- 19 Q. You were the guy doing the placing?
- 20 A. Yes.
- Q. You did this last placing where you place the bus and the bike, and then we took the last picture?
- 23 A. Correct.
- Q. Okay. So I just want to make sure.
- 25 A. That's just about the same. It's just off a

```
006394
```

```
1
   little bit on the board. I mean --
2
             Understood. And in your deposition, when
3
   MCI's attorney, Mr. Terry, the gentleman in the corner
   here, asked you -- go to page 28 if you would, please,
5
   sir, of your deposition. You have it in front of you?
   Do you have it with you, sir?
7
             Correct.
        A.
8
             Look at lines 3. I'm going to read a
        Q.
   question and answer to you. Okay?
10
             "QUESTION: So as you come up on the
11
        intersection of Griffith and Pavilion, you saw
12
        the bike turn into what looked like your door
13
        area."
14
             That's the question posed to you; is that
15
   right?
16
        Α.
             Yes.
17
        Q.
             Your answer is:
18
             "I don't know if it was a turn.
19
        know what it was. I know that he just -- he
20
        just came into it."
21
             Did I read that correctly?
22
        Α.
             Yes.
23
             So MCI suggested to you that the bicyclist
        Q.
24
   turned. You resisted that suggestion and stuck with
25
   your original story, which was that it was a drift.
```

```
1 That was your word.
```

2 A. Correct.

5

- Q. And you have never said the bicyclist turned?
- 4 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?
- 8 A. Correct.
- 9 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?
- 15 A. No. It was just on an angle.
- 16 Q. It was drifting?
- 17 A. Correct.
- 18 Q. After the nose of the bus had passed it?
- 19 A. Correct.
- Q. After you hadn't seen it for about 450 feet?
- 21 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
- 25 remember that?

```
1 A. Right.
```

3

4

5

8

- 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 7 little closer to the events in question?
  - A. True.
    - Q. Probably was a little clearer?
- 10 A. Possible.
- 11 Q. Okay. Sir, you told me earlier that you'd
  12 recently been in an Uber or a Lyft and had seen a
  13 proximity sensor or an outside camera for when people
  14 change lanes.
- 15 A. Right.
- Q. Do you think one of those would be a good idea on buses?
- 18 MR. BARGER: Excuse me. Objection.
- 19 Foundation. Invades the province of the jury.
- 20 THE COURT: Sustained.
- 21 BY MR. CHRISTIANSEN:
- Q. Mr. Barger just asked you 20 minutes' worth of questions about all your bus driving experience.
- 24 Remember?
- 25 A. Correct.

```
1
             Very experienced on a bus?
        Q.
2
        Α.
             Correct.
3
             Would one of those cameras or a sensor, in
        Q.
 4
   your opinion with your experience, be helpful?
5
             MR. BARGER: Objection. Judge, can we
 6
   approach again, please?
7
                   (A discussion was held at the bench,
8
                   not reported.)
   BY MR. CHRISTIANSEN:
10
             Mr. Hubbard, in your experience, would a
11
   proximity sensor or a camera on a bus be a good idea?
12
        A.
             Yes.
13
             Do you know -- you know, as you sit here
   today, that the bus, the rear tires, rolled over the
14
15
   doctor. As you sit here today, you know that?
16
             MR. BARGER: Excuse me. Objection, Your
           No foundation for that. He said he didn't
17
   Honor.
18
   know.
19
             THE COURT: Sustained.
20
   BY MR. CHRISTIANSEN:
21
             Well, I'll ask you. Do you know?
        Q.
22
             You have to answer out loud, sir.
23
        Α.
             I'm sorry?
24
             Do you know one way or another if the rear
        Q.
```

tires ran over the cyclist?

```
200
```

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?
- 5 MR. BARGER: Excuse me, Your Honor. Just 6 same objection. No foundation.
- 7 THE COURT: Sustained.
- 8 BY MR. CHRISTIANSEN:
- 9 Q. Sir, you've explained to the ladies and
  10 gentlemen of the jury that at the zero line, you were
  11 in the most westbound -- western southbound lane and
  12 you did not see the bus -- the bike; correct?
- 13 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?
- 17 A. I don't know.
- 18 Q. The bike in the bike lane. I said the bus.
  19 I apologize.
- Did you know there was a gardener,
- 21 Mr. Sacarias, who at that very moment in time, at the
- 22 zero mark line, saw the bike in the bike lane right
- 23 next to you?
- 24 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
1
   run across the street, who also saw the bike in the
3
   bike lane right next to you at the zero mark line?
        Α.
             I don't know.
 4
             I mean, just looking at angles, they all have
 5
        Q.
   a pretty good view of that angle, do they not?
7
             I don't know.
        Α.
8
             Well, certainly, you can agree that the
        Q.
   gardener has a good angle right there, can't you?
                                                       The
10
   gardener's this guy right here, Mr. Sacarias.
11
             I'm listening to you. I don't -- I don't
   know either way, sir. I had the best view for me, and
12
   I was the one who was operating the bus.
13
14
             And the best view for you for 450 feet didn't
15
   see the bicyclist in the bicycle lane; correct?
16
        Α.
             Correct.
17
             MR. CHRISTIANSEN: Nothing else.
18
             MR. BARGER: I have no questions, Your Honor.
19
             THE COURT: Okay. Does the jury have any
20
   questions?
21
             THE MARSHAL: I do believe, Your Honor.
22
             Any others? Any others? We have two, Your
23
   Honor.
24
             THE COURT:
                          Okay.
```

/////

```
2
                   not reported.)
 3
             THE COURT: All right. Mr. Hubbard, I can
 4
   barely see you, but all right. There's some questions
5
   from the jury. And I'm going to ask them to you, and
   you may answer them if you -- if you know. Okay?
7
             THE WITNESS: Yes.
8
             THE COURT: All right.
 9
             Have you ever driven a motor coach with
10
   proximity sensors?
11
             THE WITNESS:
                           Yes.
12
             THE COURT: If so, how many motor coaches
13
   have you driven with proximity sensors?
14
             THE WITNESS: I don't know how many.
                                                   We
15
  have -- we have a bunch at our depot.
16
             THE COURT: Okay. No. 3, are you familiar
17
  with any rear tire safety devices?
18
             THE WITNESS: I'm not familiar with them.
                                                         I
19
   know about them, but I'm not familiar with them.
20
             THE COURT: Okay. So, but you know about
21
   them? So I'll just ask you this and see if you can or
22
   cannot answer. Okay?
23
             If so, have you driven a bus with a rear
24
   safety device?
25
             THE WITNESS:
                           No.
```

(A discussion was held at the bench,

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006401
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1	THE COURT: Okay. No. 5, at any time do you
2	recall seeing the light red even though it was green at
3	the time you approached the intersection and begin
4	decelerating, or did you begin slowing down while
5	approaching the intersection?
6	THE WITNESS: I began slowing down while
7	approaching the intersection.
8	THE COURT: Okay. No. 6, if you passed the
9	bicyclist at the transit turn lane, how do you think he
10	got back ahead of you?
11	THE WITNESS: I don't know.
12	THE COURT: Okay. Okay. There are a couple
13	more questions.
14	No. 1, according to testimony, it says he saw
15	a bicyclist before turning onto Pavilion. Was it the
16	same bicyclist that it would appear to be, the
17	Dr. Khiabani or a different person?
18	THE WITNESS: I'm sorry, ma'am. Can you
19	repeat
20	THE COURT: I'll repeat the question.
21	According to testimony, he meaning, I
22	believe, you saw a bicyclist before turning onto
23	Pavilion. Was it the same bicyclist that it would
24	appear to be, Dr. Khiabani, or a different person?
25	THE WITNESS: No, it was the same bicycle.

```
1
             THE COURT: The second question is, what is
2
   the approximate distance from the intersection to the
3
   hotel entrance?
             THE WITNESS: From the intersection where the
 4
5
   incident happened to the hotel entrance?
             THE COURT: I imagine it's -- the question
 6
7
   says, what is the approximate distance from the
   intersection to the hotel entrance?
 9
             THE WITNESS: I don't know the distance, but
10
   I was, like, 45 seconds away from dropping the people
11
   off.
12
             THE COURT: Okay. No. 3, how soon were you
  looking to steer the bus towards the entrance?
13
14
             THE WITNESS: How soon was I looking to steer
15
  the bus towards the entrance?
16
             THE COURT: Actually it doesn't say "the,"
17
   but I added it. Steer bus -- and it says -- entrance,
18
   but I think it means towards the entrance.
19
             THE WITNESS: I don't know. Because I wasn't
20
  near the entrance yet. The entrance was, like, a
21
   little further up.
22
             THE COURT: If you knew, could it -- could it
23
   be shown on the big board.
             But you -- you say you don't know?
24
25
             THE WITNESS: Well, the entrance to where I
```

bit so the entire jury can see, Mr. Hubbard.

THE COURT: Take your time.

THE MARSHAL: Stand on this side.

Right.

(indicating). So the -- the incident happened here,

was going was -- was the next driveway, not the

THE COURT: So will you please show that on

THE MARSHAL: Here is your mic, sir. You

THE WITNESS: Oh, actually, I'm sorry. It's

MR. CHRISTIANSEN: Judge, the board behind

THE WITNESS: I'm sorry. I'm trying to see

driveway at the intersection.

THE WITNESS: Yes.

THE COURT: Okay.

guys can stand if you need to see him.

15

1

2

3

4

5

6

7

8

9

10

11

12

him.

the big board.

not in the picture.

where I'm at.

16

17

18 19

20

21

22

23

25

This is the first entrance, but I'm not going

THE WITNESS:

here. The entrance I'm going to is right here

but the -- the entrance is here to where I was going.

THE COURT: Okay. Thank you, sir. You may

MR. BARGER: Yes, Your Honor.

photographs I took, we've now printed. And it's

503-001, 504-001, 505-001, 506-001, and 507-001.

THE COURT: Go on.

admitted into evidence. All right.

MR. BARGER: Your Honor, I have these

All right. Counsel, do you have any

MR. CHRISTIANSEN: No, Your Honor.

THE COURT: Mr. Hubbard -- any more jury

THE MARSHAL: I do believe so, Your Honor.

THE COURT: Okay. Thank you. Anything else

MR. BARGER: Judge, the photographs, the five

We offer those at this time, Your Honor.

THE COURT: Okay. Very good. So those are

MR. KEMP: No objection, Your Honor.

THE COURT: Just a moment.

MR. BARGER: No, Your Honor.

follow-up questions for Mr. Hubbard?

1

2

3

4

5

6

7

8

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10

11

15

16

17

18

19

20

21

22

23

24

25

sit down.

photographs.

questions, Jerry?

from counsel?

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006405
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```
MR. BARGER: That's all I have. Thank you.
1
2
             THE COURT:
                         Okay.
 3
             You are excused, Mr. Hubbard. Thank you very
 4
   much.
 5
             THE WITNESS: You're welcome.
             THE MARSHAL: Thank you, sir. Watch your
 6
7
   step.
8
                         I would like to see counsel at
             THE COURT:
9
   the bench, please.
10
                   (A discussion was held at the bench,
11
                   not reported.)
12
             THE COURT: All right. All right. Ladies
   and gentlemen, we're going to wrap it up for this
13
   evening. I want to thank you for your dedication and
14
15
   for -- for listening so closely and fulfilling your
   civic duty. We are going to start again tomorrow at
16
   9:30 in the morning, and I'm going to admonish you for
17
18
   the evening.
19
             During our break, you're instructed not to
20
   talk with each other or with anyone else about any
21
   subject or issue connected with this trial. You are
22
   not to read, watch, or listen to any report of or
23
   commentary on the trial by any person connected with
24
   this case or by any medium of information, including,
25
   without limitation, newspapers, television, the
```

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1
   Internet, or radio.
2
             You are not to conduct any research on your
3
   own relating to this case, such as consulting
 4
   dictionaries, using the Internet, or using reference
   materials.
 5
             You are not to conduct any investigation,
7
   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.
10
             You are not to talk with others, text others,
11
   tweet others, google issues, or conduct any other kind
12
   of book or computer research with regard to any issue,
13
   party, witness, or attorney involved in this case.
14
             You're not to form or express any opinion on
15
   any subject connected with this trial until the case is
16
   finally submitted to you.
17
             Have a great evening, ladies and gentlemen.
18
   We'll see you tomorrow at 9:30.
19
             THE MARSHAL: All rise.
                                       This way.
20
                   (The following proceedings were held
21
                   outside the presence of the jury.)
22
             THE COURT: Did you close the door?
23
   you, Jerry.
24
             Okay. Very good. We're still on.
```

need to be on the record for this? I don't think --

006406

```
1
   it's just about.
 2
              MR. CHRISTIANSEN: Just 9:30 tomorrow
 3
   morning.
 4
             MR. ROBERTS: I don't think so, Your Honor.
 5
              THE COURT: That's not everything.
   Mr. Pepperman and Mr. Russell, let's talk about our
   plan. We can go off the record.
 7
                   (Thereupon, the proceedings
 8
 9
                    concluded at 4:50 p.m.)
10
11
12
13
                             -000-
14
15
   ATTEST: FULL, TRUE, AND ACCURATE TRANSCRIPT OF
16
   PROCEEDINGS.
17
18
19
20
21
                     KRISTY L. CLARK, CCR #708
22
23
24
25
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BY MR. BARGER: [7]
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Steven D. Grierson
                                               CLERK OF THE COURT
1
   CASE NO. A-17-755977-C
2
   DEPT. NO. 14
 3
   DOCKET U
 4
                         DISTRICT COURT
 5
                      CLARK COUNTY, NEVADA
 6
 7
   KEON KHIABANI and ARIA
   KHIABANI, minors by and
   through their natural mother,
   KATAYOUN BARIN; KATAYOUN
   BARIN, individually; KATAYOUN
   BARIN as Executrix of the
10
   Estate of Kayvan Khiabani,
   M.D. (Decedent) and the Estate)
11
   of Kayvan Khiabani, M.D.
   (Decedent),
12
                   Plaintiffs,
13
   VS.
14
   MOTOR COACH INDUSTRIES, INC.,
15
   a Delaware corporation;
   MICHELANGELO LEASING, INC.
16
   d/b/a RYAN'S EXPRESS, an
   Arizona corporation; EDWARD
17
   HUBBARD, a Nevada resident, et)
   al.,
18
                   Defendants.
19
20
21
            REPORTER'S TRANSCRIPTION OF PROCEEDINGS
22
             BEFORE THE HONORABLE ADRIANA ESCOBAR
                         DEPARTMENT XIV
23
                  DATED FRIDAY, MARCH 2, 2018
24
   RECORDED BY:
                  SANDY ANDERSON, COURT RECORDER
25
   TRANSCRIBED BY:
                     KRISTY L. CLARK, NV CCR No. 708
```

```
1
   APPEARANCES:
2
   For the Plaintiffs Keon Khiabani and the Estate of
   Kayvan Khiabani, M.D.:
 3
                WILLIAM S. KEMP, ESQ.
 4
                ERIC PEPPERMAN, ESQ.
          BY:
          KEMP, JONES & COULTHARD, LLP
5
          3800 Howard Hughes Parkway, 17th Floor
          Las Vegas, Nevada 89169
 6
           (702) 385-6000
          e.pepperman@kempjones.com
 7
8
   For the Plaintiffs Aria Khiabani and Katayoun Barin:
 9
                PETER CHRISTIANSEN, ESQ.
          BY:
          BY:
                KENDELEE WORKS, ESQ.
10
          BY:
                WHITNEY J. BARRETT, ESQ.
          810 South Casino Center Drive, Suite 104
11
          Las Vegas, Nevada 89101
           (702) 570-9262
12
          pjc@christiansenlaw.com
          kworks@christiansenlaw.com
13
14
   For the Defendant Motor Coach Industries, Inc.:
15
          BY:
                D. LEE ROBERTS, ESQ.
          BY:
                HOWARD RUSSELL, ESQ.
16
          WEINBERG, WHEELER, HUDGINS, GUNN & DIAL, LLC
           6385 South Rainbow Boulevard, Suite 400
17
          Las Vegas, Nevada 89118
           (702) 938-3838
18
          1roberts@wwhqd.com
19
          - AND -
   For the Defendant Motor Coach Industries, Inc.:
21
          BY:
                DARRELL BARGER, ESQ.
                MICHAEL G. TERRY, ESQ.
22
          HARTLINE DACUS BARGER DREYER
          8750 North Centeral Expressway
23
          Suite 1600
          Dallas, Texas 75231
24
           (214) 369-2100
                     * * * * *
25
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1
          LAS VEGAS, NEVADA, FRIDAY, MARCH 2, 2018;
 2
 3
                    PROCEEDINGS
 4
 5
                   (The following proceedings were held
 6
 7
                   outside the presence of the jury.)
 8
             THE MARSHAL: All rise. Department 14 is now
   in session with the Honorable Adriana Escobar
10
   presiding.
11
             THE COURT: Good morning.
12
             MR. BARGER: Judge, can counsel approach the
  bench real quick? Take about ten seconds.
13
14
             THE MARSHAL: Please be seated. Come to
15
   order.
16
                   (A discussion was held at the bench,
17
                   not reported.)
18
             THE COURT: All right. Let's see.
             MR. BARGER: So -- so you'll -- Will. Will.
19
20
                   (A discussion was held at the bench,
21
                   not reported.)
22
             THE MARSHAL: Are we ready, Your Honor?
23
             THE COURT: We are waiting on a couple of
24
   counsel.
25
             Okay. Are we ready for the jury?
```

1	MR. TERRY: Yes, Your Honor.			
2				
3	(The following proceedings were held in			
4	the presence of the jury.)			
5	THE MARSHAL: All the jurors are present,			
6	Your Honor.			
7	THE COURT: Okay. Very good.			
8	THE MARSHAL: Please be seated. Come to			
9	order.			
10	THE COURT: Call the roll.			
11	THE COURT CLERK: Yes, Your Honor.			
12	Byron Lennon.			
13	JUROR NO. 1: Here.			
14	THE COURT CLERK: John Toston.			
15	JUROR NO. 2: Here.			
16	THE COURT CLERK: Michelle Peligro.			
17	JUROR NO. 3: Here.			
18	THE COURT CLERK: Raphael Javier.			
19	JUROR NO. 4: Here.			
20	THE COURT CLERK: Dylan Domingo.			
21	JUROR NO. 5: Here.			
22	THE COURT CLERK: Aberash Getaneh.			
23	JUROR NO. 6: Here.			
24	THE COURT CLERK: Jaymi Johnson.			
25	JUROR NO. 7: Here.			

```
THE COURT CLERK: Constance Brown.
 1
 2
              JUROR NO. 8:
                            Here.
              THE COURT CLERK: Enrique Tuquero.
 3
              JUROR NO. 9:
                            Here.
 4
              THE COURT CLERK: Raquel Romero.
              JUROR NO. 10:
 6
                             Here.
 7
              THE COURT CLERK: Pamela Phillips-Chong.
 8
              JUROR NO. 11:
                             Here.
 9
              THE COURT CLERK: Gregg Stephens.
10
              JUROR NO. 12:
                             Here.
11
              THE COURT CLERK: Glenn Krieger.
12
              JUROR NO. 13:
                             Here.
             THE COURT CLERK:
13
                                Emilie Mosqueda.
14
              JUROR NO. 14:
                             Here.
15
              THE COURT CLERK: Thank you.
16
              THE COURT: Okay. Do the parties stipulate
17
   to the presence of the jury?
18
             MR. TERRY: We do, Your Honor.
19
             MR. KEMP: Yes, Your Honor.
20
                          Ladies and gentlemen, I wanted to
              THE COURT:
21
   welcome you back this morning and thank you for your
22
   service. And there's also something I wanted to remind
   you of. It's absolutely great and wonderful if you're
23
   coming closer, which is natural.
25
             But I want to remind you that you can talk
```

```
8
              to remind you. All right. Very good.
            9
                        Shall we begin? Go on.
           10
                        MR. KEMP: Your Honor, we call Mr. Sherlock.
           11
                        THE COURT: All right. Very good.
           12
                        THE MARSHAL: Watch your step, sir. Remain
006455
              standing and raise your right hand towards the clerk.
           13
           14
                        THE COURT CLERK: You do solemnly swear the
           15
              testimony you're about to give in this action shall be
              the truth, the whole truth, and nothing but the truth,
           16
           17
              so help you God.
           18
                        THE WITNESS:
                                       Yes.
           19
                        THE COURT CLERK: Thank you. You may be
           20
              seated.
           21
                        MR. KEMP: Good morning, ladies and
```

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

Does everyone understand that? I just wanted

THE CLERK: And, sir, would you please state

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

that's happening in here or notes you have taken or

witnesses, nothing can be discussed. Okay?

1

2

3

5

7

22

23

24

25

gentlemen.

and spell your name.

```
1
   S-h-e-r-l-o-c-k.
2
              THE CLERK:
                          Thank you.
3
 4
                       DIRECT EXAMINATION
   BY MR. KEMP:
             Mr. Sherlock, will you tell the jury where
7
   you went to college.
8
              University of Washington and North Seattle
        Α.
   Community College.
             And how long did you do that?
10
        Q.
11
              Just under four years.
        A.
12
              Okay. Did you become a bus driver after
        Q.
13
   that?
14
        A.
              During.
15
              Okay. And approximately when did you become
        Q.
   a bus driver?
17
              1979.
        A.
              Are you a member of the bus driver union?
18
        Q.
19
        Α.
              Yes.
20
              And when did you become a member of the bus
21
   driver union?
22
        A.
              1979.
23
        Q.
             What union is that?
24
              The Amalgamated Transit Union.
        Α.
25
              And can you explain to the jury what the
        Q.
```

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00645
```

Amalgamated	Transit	IInion	ie?
Allatgallated	Transit	OTITOII	TS:

- 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.
  - O. Bus drivers are members of that union?
- 7 A. Absolutely.

8

12

13

14

17

18

19

- Q. And when you were with the union, did you participate in union activities?
- 10 A. Yes. For a few decades I've been doing 11 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?
- 25 A. Oversees all aspects of safety from vehicle

```
006458
```

2

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15

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18

- 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.
- 20 Q. 20 years?
- 21 A. Uh-huh.
- 22 Q. Yes?
- 23 A. Yes.
- Q. Okay. Did you investigate bus accidents in your job as chairman of the safety committee?

- 1 A. Many.
- Q. When you say many, how many?
- 3 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.
- 12 Q. And was aerodynamics one of those issues?
- 13 A. Yes.

10

- 14 Q. Were right-side blind spots one of those
  15 issues?
- 16 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

Α.

```
1
  health and safety for North America subsequently.
2
             Okay. And why did you go to Washington,
        Q.
   D.C.?
3
 4
             It was better to integrate my activities with
        Α.
   the other folks that are doing that in the
5
   international. Doing it remotely was really a pain,
7
   and --
8
             Where -- where are ATU headquarters at?
        Q.
 9
             It's Silver Spring, basically Washington,
        Α.
10
  D.C.
11
             Silver Spring, Maryland?
        Q.
12
        Α.
             Yes.
13
             That's where the ATU is located at?
        Q.
14
        Α.
             The ATU international, yes.
15
             You mentioned the president of the
        Q.
16
   international?
17
        A.
             Yes.
                   Larry Hanley.
18
        Q.
             Okay. All right. Since you moved back to
19
   D.C., have you continued to investigate bus accidents?
20
        A.
             Yes.
21
             And have you analyzed design issues?
        Q.
22
             Yes. We're really actively involved in
        Α.
23
   trying to change the industry to make it safer.
24
             When you say "we," you're referring to whom?
        Q.
             The Amalgamated Transit Union.
25
```

```
00646
```

- 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?
- 11 A. Extremely.

6

7

8

9

10

14

- 12 Q. And you said you're familiar with the 13 aerodynamics issues.
  - A. Yes.
- Q. Leaving this case aside, have you been involved in other bus accident cases involving aerodynamics issues?
  - A. Yes.
- 19 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?
- 9 That was the -- that was driven by what's A. 10 called leading-edge suction. There's a partial vacuum 11 formed by the poor aerodynamics of the front. These 12 things are very square; they're not slightly rounded on all the surfaces like a car. And that causes a 13 14 low-pressure zone that pulls people in. It first 15 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.
- 21 BY MR. KEMP:

8

16

17

18

- Q. How many people are in the ATU again?
- 23 A. Just under 200,000.
- Q. And most of them are bus drivers?
- 25 A. That's the largest classification.

- Q. Okay. And is the ATU part of any other union federation?
  - A. AFL.

1

2

3

4

5

6

7

10

11

12

13

14

- 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

Yes.

Α.

```
dozen pedestrians across an intersection. And you get
1
   these synergies of motion of the pedestrian and the
3
   blind spots.
             So imagine the pillar in your car being
 4
5
   1.7 feet wide, for example. And you can reach out and
   touch this. It's a 3 feet away from you, very roughly.
7
   And I've had a couple of fatalities recently.
   were 1.7 feet wide at the blind spot, and that just
   tracked the pedestrian like a cruise missile. High
10
   base of the windows. In places like New York --
11
             Before -- there are different kinds of vision
        Ο.
   problems in buses, potentially?
12
13
        Α.
             Yes.
14
             And can you just say, in general, what kinds
15
   there are?
16
        Α.
             Another common one -- you see these
17
   fatalities commonly in New York, New Jersey where the
18
   high base of the windows on this kind of over-the-road
19
   bus will allow jaywalkers -- there's tons of jaywalkers
20
   in that area -- to walk right in front of the bus and
21
   not be seen because the windows are taller than the
22
   pedestrian. It's unnecessary and lethal.
23
             Have you looked at the Red Rock video in this
        Q.
24
   case?
```

```
1
             And have you also looked at the Red Rock
        Q.
2
   stills of the video?
3
        A.
             Yes.
 4
             MR. KEMP: Okay. Let me just show the stills
5
   for me, just going through them real slow, please,
   Shane.
           Next one. Next one. Please.
                                           That's it.
7
   Okay.
   BY MR. KEMP:
9
             Is there anything significant in these
        Q.
10
   stills, to your opinion?
11
             Absolutely. This is the best evidence for
        A.
   exactly what had occurred as Dr. Khiabani was --
12
13
   contacted the bus.
14
             Okay. And what is significant about them?
        Q.
15
             It shows the relationships between them.
        Α.
                                                        The
16
   accident reconstructionist were able to accurately
17
   determine the speed of both, the paths of both over
18
  this short interval. But it's the critical interval,
19
   so this is very valuable information.
20
             And what does that indicate as concerning
        0.
21
   whether the doctor was traveling horizontal or
22
   parallel?
23
        Α.
             Roughly parallel.
24
             And why is that important?
        Q.
```

The question boils down to did the doctor

25

Α.

```
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 -
  8 was within an area that's an extremely obstructed view.

  9 Because of the high base of the window and overly large

  10 pillars and an obstructed view out the door, it was

  11 very hard for the driver to see very much of the

  12 bicyclist at all.
  - Q. Okay. And do you have an opinion as to whether or not the J4500 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 it's trivial to do it.

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,

- 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?
- 23 A. MCI.
- 24 Q. What kind of MCI bus?
- 25 A. That I believe -- I'm not exactly sure of the

the front; right? Right?

```
model number. I've looked at it and looked at the
1
  sight-line issues, measured them and all of that, but I
3
   didn't pay attention to the model number on that one,
   unfortunately.
 4
 5
             Okay. That's the New York case?
        Q.
             Yes. Overall, it's extremely similar to this
        Α.
7
   bus.
8
             Is there -- have you been involved in other
        Q.
   cases with MCI buses where people got killed as a
10
   result of the right-side blind spot?
11
             Not the right side, but similar problems on
        Α.
12
   the left.
13
        Q.
             Okay. What cases were those?
14
             There's one --
        Α.
15
             MR. TERRY: Objection, Your Honor.
   Relevance. Left side.
17
             MR. KEMP: He just said it was -- we need to
18
  arque this, Your Honor?
19
             THE COURT: Yes.
20
             MR. KEMP: Do you want me to lay more
21
   foundation, Your Honor? I can do that.
22
             THE COURT: All right. Sustained.
23
  BY MR. KEMP:
24
             When you have a bus, you have two pillars in
        Q.
```

- 1 A. Correct.
- 2 Q. And what are those called?
- A. A-pillars. The pillars are labeled A, B, C,
- 4 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?
- 7 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?
- 11 A. Roughly, yes.
- 12 Q. And are they made out of the same materials?
- 13 A. Roughly, yes.
- Q. And have you looked at the A-pillars on this particular bus?
- 16 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?
- 23 A. Correct.
- Q. And you've actually looked at the
- 25 structural -- structure of this particular bus?

```
1
        A.
             Yes.
2
             MR. KEMP: Shane, can I have the bus
3
   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:
7
             Mr. Sherlock, can you point out for the jury
        Q.
   what the A-frame is, just so we we're absolutely clear
   here.
10
             THE MARSHAL:
                           Grab the mic for me.
11
             THE WITNESS: Yes. The A-pillar is this
12
   structure here, and --
13
   BY MR. KEMP:
14
             Now, let's go a little slower.
                                              The
15
   right-side A-pillar -- let's be real slow so we make
16
   sure everyone's got this in their mind.
17
             Where is the right-side A-pillar on the J45?
18
        Α.
             This is it here.
19
             This is an actual J4500 we've got?
        Q.
20
        Α.
             Yes.
21
             Okay. Again, you went kind of fast. Why
        Q.
22
   don't you just slowly outline the entire J-pillar --
23
   A-pillar.
24
             This is it here (Witness indicating).
        Α.
25
```

Now, with regards to the left-side A-pillar,

Q.

```
1
   where would that be?
 2
             It's a little obscured, but it's right here
 3
   (witness indicating).
 4
             Okay. And it's in the same location of the
        Q.
 5
   bus --
 6
             Yes.
        A.
 7
             -- basically? It's got the same
   proportionality to the rest of the bus as the right
   side does?
10
             Except for the addition of a frame element
11
   here that is a part of the door. It's not very easy to
12
   see. I think you can see it up here.
13
        Q.
             Okay. All right. You can take a seat again.
             All right. Back to the Rhode Island case.
14
15
   Can you tell me what happened in the Rhode Island case?
16
        Α.
             Pedestrian was decapitated by a J4500. This
   was a left turn and --
17
18
             MR. TERRY: Your Honor, objection.
19
             MR. KEMP: Do you want to approach?
20
             THE COURT: Yes. Please approach.
21
                   (A discussion was held at the bench,
22
                   not reported.)
23
   BY MR. KEMP:
24
             Have you been involved in other cases where
        Q.
25
   there's been visibility problems with the MCI buses?
```

```
006
```

- 1 A. Yes.
- 2 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 —
- 9 MR. TERRY: Objection, Your Honor.
- 10 Relevance.
- 11 THE COURT: Overruled.
- 12 BY MR. KEMP:

17

18

19

20

21

22

23

24

- Q. Where was that case at?
- 14 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?

1 A. No, it didn't.

- Q. Okay. All right. In general, do you have an opinion with with regards to whether the 2008 J4500 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.
- 9 A. Yes. We've discussed the height of the base 10 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?
- 13 A. Oh, okay.
- Q. No. 1 is window design?
- 15 A. Pillar design.
- 16 The door --
- Q. Door design?
- 18 A. -- obstruction. And --
- 19 Q. No. 4?
- 20 A. Window, pillar, door ...
- Q. Don't be nervous.
- 22 A. Yeah.
- 23 Q. Okay.
- 24 A. Dash.
- 25 Q. Okay.

```
explain to the jury what the dash is?
9
        A.
                    Right behind the front surface of the
             Yeah.
   bus, there's a dash that extends on the left where
10
11
   there's a -- a binnacle with all the instruments and
12
   that sort of thing, and that's the highest part of it.
13
   And that extends over to the right, where it's slightly
   lower but still very high off the ground. It's nearing
14
15
   6 feet off the ground.
16
             And do we have a --
        Q.
17
             Can I have Sherlock Figure 1, please.
18
             MR. GODFREY: What is Figure 1?
19
                        The dash -- the dash measurements.
             MR. KEMP:
20
             MR. GODFREY:
                            Figure 2.
```

MR. KEMP:

MR. GODFREY:

Can I have this one?

Can I have my slide, please, Shane.

visibility design problems we're going to talk about;

Okay. So these are the four right-side

I was thinking of that as part of the window.

Okay. Now, with regards to the dash, can you

Okay. Yeah, give me Figure 2.

This is Figure 2.

MR. KEMP: Well, then give me figure ...

MR. TERRY: Excuse me, Your Honor.

1

2

3

4

5

6

7

21

22

23

24

25

A.

Q.

A.

Q.

Yes.

right?

I need to

```
1
   object. May we approach?
2
             THE COURT:
                         Yes.
 3
                   (A discussion was held at the bench,
 4
                   not reported.)
 5
             THE MARSHAL: Please remain seated. Come to
 6
   order.
7
                   (A discussion was held at the bench,
8
                   not reported.)
 9
             MR. KEMP: Okay.
10
             Shane, can I have that back up, please.
11
             MR. GODFREY: With or without?
12
                        Let's do it without.
             MR. KEMP:
13
   BY MR. KEMP:
14
             All right. You were discussing dash heights.
        Q.
15
   Do you recall that?
16
             Okay. Can you show the jury on this slide
  what is relevant with regard to dash heights.
17
18
             THE MARSHAL: You need a mic also, sir.
19
             THE WITNESS: Yeah.
20
             This image is showing the right side of the
21
   bus. And the dash is in this area. We can't quite see
22
        I believe that's -- we can't really see the dash
23
   too well in this slide. But the -- the right side of
   the dash is up -- that's it, right in here
25
   (indicating).
```

```
00647
```

## BY MR. KEMP:

1

5

6

7

10

11

14

- 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 the was that there?
- A. It's roughly -- it's roughly a foot shorter.
- 18 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.
- 22 Q. Okay.
- 23 And can I have Exhibit 198, please. 198?
- 24 THE COURT CLERK: Is it admitted?
- MR. KEMP: No, it's not admitted.

```
1
   BY MR. KEMP:
2
             Mr. Sherlock, can you take a look at
3
   Exhibit 198 and the bus dash depicted therein.
        Α.
 4
             Yes.
             MR. KEMP: Your Honor, I'd move to admit 198.
 5
             MR. TERRY: Your Honor, I have an objection
 6
7
   to hearsay, but may we approach the bench?
8
             THE COURT:
                         Yes.
 9
                   (A discussion was held at the bench,
10
                   not reported.)
11
             THE COURT: Ready.
12
             MR. KEMP: Your Honor, we'd move to admit
   Exhibit 198 subject to the conversation we had.
13
14
             THE COURT: All right.
15
             MR. TERRY: Your Honor, we stand on the
   conversation that we had.
17
             THE COURT: Okay. Very good. I'm going to
18
  admit this with respect to all the details we discussed
19
   at the bench, Mr. Kemp.
20
                   (Whereupon, Plaintiffs' Exhibit 198 was
21
                   admitted into evidence.)
22
             MR. KEMP: Thank you, Your Honor.
23
             Shane, could you show the slide to the jury
   of the -- the two dashes. Just the -- just this one.
   /////
25
```

```
00647
```

## BY MR. KEMP:

1

5

7

8

9

10

- 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?
- 11 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?
- 18 A. Yeah.
- 19 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?

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006479
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```
A. Thank you.
```

2

3

5

7

8

9

10

11

12

13

14

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
- 21 are safe buses out there where you can -- you have
- 22 essentially no blind spot.
- Q. Okay. And you said that the JCI -- excuse me -- the MCI J4500 dash is -- is -- how does it
- 25 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.

2

3

4

5

6

7

8

15

- 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

  10 across one here and in Europe, I've measured. There's

  11 just a huge number of them. Setra, Prevost would be

  12 the big competitors here in the states. And there's a

  13 wide array of -- some of them, I didn't even recognize

  14 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?
- 19 A. Prevost is a Volvo division.
- Q. And is the Mercedes bus dash higher or lower than the J4500?
- 22 A. Lower.
- Q. Okay. And is the Volvo bus dash higher or lower than the 4500?
- 25 A. Lower.

```
006481
```

1	Q. Now, go ahead and take your seat.
2	The second thing you talked about was
3	A-pillar design.
4	Can I have my slide back again.
5	Okay. The first one is dash design. Okay?
6	And and it's up to the designer how high or low the
7	dash is; correct?
8	A. Correct.
9	Q. Okay. And with regards to A-pillar design,
10	can you tell the jury what you mean by that?
11	A. That's the opaque structure in the right and
12	left front corners of the vehicle.
13	Q. Okay. And how does that affect vision?
14	Let's just stick with the right-side A-pillar. How
15	does that affect vision?
16	A. Well, anytime that pillar gets wider than the
17	space between your eyes, it forms a widening wedge
18	that's obscure. And across intersections and that sort
19	of thing, it becomes fairly enormous. Many people can
20	be hidden.
21	Q. Okay. Are there ways to make it less wide?
22	A. Absolutely.
23	Q. And can you give me can you give me an
24	example?
25	A. It can be designed much like buses in the

```
006482
```

```
past, back in the -- even the '20s and '30s, these
 1
   structures were quite small, but they had roughly
   similar structural steel elements in them that support
 3
   the roof and other loads.
 5
             What's been done is adding window seals that
   could be eliminated. You can glue in the windows.
 6
 7
             Let's stick with the metal pillar just for a
        Q.
 8
   minute. Okay?
 9
             Okay. If you stick with just the metal, and
        Α.
   you don't need to do anything more in terms of width,
10
11
   then it will be a much less hazardous structure. You
12
   can ...
13
        Q.
             Okay. In this particular case, is the
14
   A-pillar square?
15
             Can I have the structural drawing again of
16
   the bus.
17
             The A-pillar that comes down, is that square
18
   or is that rectangular?
19
             The box section metal tubing inside there
        Α.
20
   is --
21
             Show the jury what you mean by box.
        Q.
22
             The metal framework that this -- all of this
23
   structure is made of is rectangular box section steel
   tube. And --
24
25
             And what do you mean by that? It's -- it's
        Q.
```

```
00648
```

- longer on one side than it is on the other?
- 2 A. Yeah. It's -- it's a scaled-down version of
- 3 this kind of a shape.

13

- Q. Okay. And which do they put the widest part at? On this bus, where is the widest part of the
- 6 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
- Q. And does -- is the J4500 arrayed that way?
- 15 A. Yes, in regard to many of the elements in 16 this frame.

arrayed this way makes a bad problem.

- Q. Okay. And with regards to the A-pillar, is it arrayed this way?
- 19 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?
- 11 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.

1

17

18

19

20

21

22

23

25

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 11 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

Q.

```
windows. They're designed to allow you to replace the
1
   windshield in ten minutes flat. And you can.
3
   kind of amazing. You just push on it, and it pops out.
 4
             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
7
   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 --
10
   but that extends across your vision.
11
             If you glue the window in with a glue line
12
   like in your car that's behind the frame structure,
13
   that bonding does not contribute to the additional
   blind spot.
14
15
             What do the European bus manufacturers do?
        Q.
16
        Α.
             They bond them in.
17
             And, for example, what does Mercedes do?
        Q.
18
        A.
             They bond them in. You also can't toss out
19
   passengers so readily.
20
             What does Volvo do?
        0.
21
             In Europe, they bond them.
        Α.
22
             All right. So are those all your criticisms
23
   of the A-frame pillar design?
24
        Α.
             Yes.
25
             Okay. Now, why is a narrower A-pillar better
```

```
00648
```

```
1
   than a wider A-pillar?
2
             Well, you can't hide some -- with a proper
3
   design, you don't hide anything aside from this narrow
 4
   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
7
   problems.
8
             Okay. And let's talk about the third point,
        Q.
 9
   door design.
10
        Α.
             Yes.
11
             Can you show the jury how the doors -- okay.
        Q.
   Dash design, A-pillar design, door design; right?
12
13
             Okay. Can you tell the jury what -- what
   you're -- what your criticism is of the door design of
14
15
   the MCI J4500?
16
                    To keep this style line looking
        Α.
             Yeah.
17
   integrated, they've made this portion opaque. And
18
   that --
19
             And opaque, that's just a fancy --
        Q.
20
             You can't see through it.
        Α.
21
             You can't see through it?
        Q.
22
        Α.
             Yeah.
23
             There's glass here and here, but this
24
   critical portion is not transparent. And doors are
```

available where the portion that moves is just glass,

```
006488
```

```
1
   and that dramatically reduces the blind spots.
2
             It also makes this pillar structure which
3
   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,
7
   so it doesn't contribute anything to the width of that
8
   pillar.
9
             And when you combine that with doing away
10
   with rope seal and all that, this visually disappears
11
   because of our having binocular vision.
12
             Okay. And with regard to the opaque portion
        Q.
   of the door that you just described, how big is that?
13
14
             I don't know precise dimensions, but it -- it
15
   hit a huge percentage of Dr. Khiabani.
16
        Q.
             Okay. We're talking about 2 feet by 3 feet
17
   there? 2 feet by 4 feet? What are we talking?
18
             I wouldn't want to hazard a guess. You're
19
   closer at your last estimate.
20
             We're talking feet, not inches?
        Q.
21
        A.
             Oh, of course. Yeah, it's very large.
22
             Okay. Now, with regards to the window
        Q.
23
   design, do you have a criticism about that?
24
                    The -- you can see in this engineer's
        Α.
             Yeah.
25
   drawing that they've made this part of this structure
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006489
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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?
- 21 A. Yes, some of them are clear down to near your 22 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.
1
   There are also -- it's ubiquitous in Europe,
3
   essentially, that the dashboard --
             And ubiquitous means everywhere?
 4
        Q.
 5
        Α.
             Everywhere, yeah.
             Where the dashboard and the steering column
 6
7
   comes back to you, to the driver, and that allows you a
   much improved sight line down over the dashboard.
   They're wonderful.
10
             Okay. So what you're saying is they could
11
   have tapered the -- the dash lower?
12
             Much.
        A.
13
        Q.
             To -- to give the driver a better sight line?
14
        Α.
             Yes. If combined with this -- a glass panel
15
   this size, you'd have vanishingly little blind spot.
16
        0.
             Have you looked at the rear tires of the
   J4500?
17
18
        Α.
             Yes.
19
             MR. KEMP: Can I have some rear tires up
20
   there?
21
             MR. GODFREY:
                            Is that admitted as an exhibit?
22
             MR. KEMP:
                         The answer is yes.
23
             MR. TERRY: Your Honor, while he's looking
24
   for his exhibit, can we take a short break?
25
                         Certainly.
             THE COURT:
```

```
1
             MR. KEMP: Sure, Your Honor. I have no
 2
   problem.
 3
             THE COURT: Does the jury need a short break
 4
   as well?
 5
             Do you stipulate to my not reading the
   admonishment if they go straight into the --
 6
 7
             MR. TERRY: So stipulated.
 8
             MR. KEMP: Stipulated, Your Honor.
             THE COURT: Okay.
 9
10
             Jerry, they can only go there. No one can
11
   leave the front -- that room. Okay?
12
             Let's take a ten-minute break.
13
             THE MARSHAL: All rise. Ten-minute recess.
14
                   (The following proceedings were held
15
                    outside the presence of the jury.)
16
             THE COURT: You can go ahead and close the
17
   door, Jerry.
18
             Mr. Sherlock, do you need to take a comfort
19
   break?
20
             THE WITNESS:
                            I'm good.
21
             THE COURT: Okay. Sure.
22
             THE WITNESS:
                            Thank you.
23
             THE COURT: All right.
24
             MR. KEMP:
                         Ten minutes?
25
             THE COURT: Ten minutes.
```

```
MR. BARGER: Thank you, Your Honor.
 1
 2
                   (Whereupon a short recess was taken.)
 3
             THE MARSHAL: Please be seated.
 4
   Department 14 is back in session.
 5
             THE COURT: Okay. Are we ready for the jury?
             MR. KEMP: Yes, Your Honor.
 6
 7
             MR. TERRY: May we approach the bench, Your
 8
   Honor?
 9
             THE COURT:
                          Yes.
10
                   (A discussion was held at the bench,
11
                   not reported.)
12
             THE MARSHAL: Are you ready, Your Honor?
             THE COURT: Yes, we're ready for the jury.
             THE MARSHAL: All rise.
15
                   (The following proceedings were held in
16
                   the presence of the jury.)
17
             THE MARSHAL: All the jurors are present,
18
   Your Honor.
19
             THE COURT: Okay. Very good.
20
             THE MARSHAL: Please be seated. Come to
21
   order.
22
             THE COURT: Do the parties stipulate to the
23
   presence of the jury?
24
             MR. KEMP: Yes, Your Honor.
25
             THE COURT: Thank you.
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00649
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1
             Please go on.
             MR. TERRY: I apologize. We do stipulate to
2
3
   the presence of the jury.
 4
             MR. KEMP: Okay. All right. Okay. Good?
5
   Okay. Yeah, can I have the picture of the rear tires,
   please.
7
   BY MR. KEMP:
8
             Okay. Mr. Sherlock, have you looked at the
        Q.
   rear tires of the J4500?
10
        Α.
             Yes, I have.
11
             And the bus to the left is a what?
        Q.
12
             BCI Falcon 45.
        A.
13
        Q.
             I guess that's what the BCI in the back
14
  means?
15
             Yes.
        A.
16
             All right. And do you see the difference
17
   between the -- the way the rear tire assembly, or
18
   whatever you want to call it, is designed?
19
        Α.
             Yes.
20
             And can you explain to the jury what that
21
   difference is?
22
             There's a skirt or a panel that extends down
        Α.
23
   between the wheels in the BCI, and that does not occur
24
   in the MCI.
25
             Okay. And would this be the -- the area
        Q.
```

```
you're calling a skirt?
1
2
        A.
             Yes.
             Is it also called a strut?
 3
        Q.
 4
            It could be.
        Α.
 5
             Okay. And what is that made out of?
        Q.
             I actually don't know with certainty. It's
 6
   the same material as the side of the bus.
7
8
             Okay. And other than the BCI Falcon 4500 --
        Q.
   well, first of all, why do some buses have two wheels
10
   in the back rather than one?
11
             It improves ride quality.
        Α.
12
             MR. TERRY: Excuse me, Your Honor.
   Objection. I think it's outside the scope of his
13
  expertise to discuss why a bus manufacturer would
14
15
  include a certain number of tires.
16
             MR. KEMP: I'm not criticizing. I'm just
17
   trying to explain it. I don't care. I will withdraw,
18
  Your Honor.
19
             THE COURT: Lay a foundation. Sustained.
20
   BY MR. KEMP:
             Okay. Assuming for the sake of argument
21
        Q.
22
   there's a reason, do other bus manufacturers have
   struts or side skirts?
23
24
        Α.
             Yes.
```

Okay. And can you give the jury some

25

Q.

Q.

```
1
   examples?
             You see some here in Las Vegas, I believe.
2
   The Icarus has extensive skirt, and --
3
 4
             Stop. What is an Icarus?
        Q.
 5
             It's a bus that's in -- that's been used here
        Α.
 6
   in Las Vegas.
7
             And Icarus is the name of the bus?
        Q.
8
             Yeah, the manufacturer.
        Α.
9
             That's the name of the manufacturer?
        Q.
10
             Yeah.
        Α.
11
             Okay. And does that have two tires like the
        Q.
   BCI and the J4500?
             I'm assuming so, but I don't want to -- I'm
13
        A.
14
   not absolutely certain.
15
             Okay. We've talked about right-side blind
        Q.
16
   spots; right?
17
        Α.
             Yes.
18
             And you've given us your opinion that the
   J4500's dangerous because of the right-side blind spot
19
20
   problem?
21
        Α.
             Correct.
22
             Are there safety devices that help overcome
23
   right-side blind spot problem?
24
        A.
             Yes.
```

What are those?

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006497
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- 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

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006498
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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 E-a-t-o-n?
- 10 A. Correct.
- 11 Q. Is that the VORAD system?
- 12 A. Yes.

6

9

16

17

18

19

20

21

22

23

24

- 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.

```
1
             And were Eaton systems, side systems
        Q.
   available for buses -- when were Eaton -- are Eaton
3
   side systems available for buses?
 4
        Α.
              2005.
 5
             Okay. They've been available since that
 6
   time?
7
        A.
             Yes.
8
             Okay. Now, how far does the Eaton system
        Q.
   extend in terms of how far its detectability goes out?
10
             Oh, it's a very long ways. 350 feet.
11
             Okay. And with regards to the side system,
        Q.
   how far does that go?
13
              It's at least 20 feet. I don't recall the
        A.
14
   exact dimension.
15
             So if it's 20 feet, the bike lane in this
        Q.
16
   case is how wide, if you know?
17
        Α.
             4 1/2 feet.
             And the -- the right turn lane is how wide,
18
   if you know?
19
20
        Α.
              I believe it's 12 feet.
             Okay. So 12 and 4 1/2 is 16 1/2?
21
        Q.
22
             Uh-huh, correct.
        Α.
             So 20 feet is farther than that?
23
        Q.
24
        Α.
             Correct.
```

Okay. Now -- and the Eaton system is

```
1
   sometimes referred to as a proximity sensor?
2
        A.
             Correct.
3
             Okay. Do other buses, even the J -- first of
        Q.
 4
   all, the J4500 does or does not have a proximity
   sensor?
              This one did not.
 6
        Α.
7
             And do other buses have proximity sensors?
        Q.
8
              They could be added to anything.
        Α.
 9
             Did other buses have proximity sensors?
        Q.
10
             Yeah. Certainly, the BCI did.
        Α.
11
             And when did that come out?
        Q.
12
             '07.
        A.
13
             2007?
        Q.
14
             2007, correct.
        Α.
15
             Okay. Let's flip over to aerodynamics
        Q.
16
   briefly.
17
        Α.
             Uh-huh.
18
             Have you studied aerodynamic issues with
19
   regards to buses?
20
        Α.
             Absolutely.
21
             Okay. I don't want to get deep on this
        Q.
22
   because we have an aerodynamic engineer coming.
23
             But what have you done with regards to
24
   aerodynamics?
25
        Α.
             We had a problem in Seattle that's common,
```