



I, Jason Schroeder, have read the foregoing pages of a copy of my testimony given during an interview relating to the accident that occurred on February 4, 2018, in Cayce, South Carolina and these pages constitute a true and accurate transcription of same with the exception of the following amendments, additions, deletions or corrections:

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I declare that I have read my statements and that it is true and correct subject to any changes in the form or substance entered here.

Date: 5/17/18

Witness: 

UNITED STATES OF AMERICA

NATIONAL TRANSPORTATION SAFETY BOARD

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Investigation of:

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COLLISION OF AMTRAK TRAIN #91 AND

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A STATIONARY CSX TRANSPORTATION

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TRAIN NEAR CAYCE, SOUTH CAROLINA

*

Accident No.: RRD18MR003

FEBRUARY 4, 2018

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Interview of: JASON SCHROEDER

Assistant Chief Engineer Signals

CSX Transportation

CSX Corporate Headquarters
Jacksonville, Florida

Thursday,
April 26, 2018



APPEARANCES:

RICHARD HIPSKIND, Investigator in Charge
National Transportation Safety Board

RICKY PAGE, Signal Group Chairman
National Transportation Safety Board

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Safety and Operating Practices
CSX Transportation

ERIN O'BRIEN, Attorney
CSX Transportation
(On behalf of Mr. Schroeder)

I N D E X

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I N T E R V I E W

1
2 MR. PAGE: Okay, we are on record.

3 MR. HIPSKIND: Good morning everybody. My name is Richard
4 Hipskind, and I am the investigator in charge for NTSB for the
5 Cayce, South Carolina accident investigation.

6 We are here today on April 26, 2018 at CSX's Corporate
7 Headquarters in Jacksonville, Florida to conduct an interview with
8 Mr. Jason Schroeder, who works for the CSX Transportation company,
9 or CSX. This interview is in conjunction with NTSB's
10 investigation of a head-on collision and derailment with injuries
11 on February 4, 2018 at Cayce, South Carolina on CSX's Columbia
12 Subdivision near milepost 367.1 in Lexington County. The NTSB
13 accident reference number is RRD18MR003.

14 Before we begin our interview and questions let's go around
15 the table and introduce ourselves. Please spell your last name.
16 Please identify who you are representing and your title. I would
17 remind everybody to speak clearly and loudly enough so we can get
18 an accurate recording. I'll lead off and then pass off to my
19 right.

20 Again, my name is Richard Hipskind. The spelling of my last
21 name is H-I-P-S-K-I-N-D. I am the investigator in charge for NTSB
22 on this accident.

23 MR. AMMONS: Steve Ammons, CSX, A-M-M-O-N-S, safety and
24 operating practices.

25 MR. PAGE: Ricky Page, NTSB accident -- rail accident

1 investigator, P-A-G-E.

2 MR. SCHROEDER: All right. Jason Schroeder,
3 S-C-H-R-O-E-D-E-R. I'm with CSX, and assistant chief engineer
4 signals.

5 MR. HIPSKIND: Okay. And, Mr. Schroeder, do we have your
6 permission to record our discussion, our interview with you today?

7 MR. SCHROEDER: Yes.

8 MR. HIPSKIND: And do you wish to have a representative with
9 you at this interview?

10 MR. SCHROEDER: Yes.

11 MS. O'BRIEN: This is Erin O'Brien, O-B-R-I-E-N, and I am
12 in-house counsel in the CSX law department.

13 MR. HIPSKIND: And, Mr. Schroeder, do you mind if we proceed
14 on a first-name basis?

15 MR. SCHROEDER: Absolutely.

16 MR. HIPSKIND: All right.

17 INTERVIEW OF JASON SCHROEDER

18 BY MR. HIPSKIND:

19 Q. Jason, would you please give us a kind of a synopsis of your
20 work experience and take us up to your present job and let us know
21 how long you've been in that position?

22 A. Okay. So I've been with CSX since graduating college in
23 2002. So I've been with CSX for a little over 15½ years. I
24 started off in signal maintenance, signal construction in the
25 field, in Ohio.

1 I moved down to Jacksonville in 2004 in the Signal Design
2 Department and I worked, you know, working on major capital
3 projects, planning, design, capital management for about 5 years.
4 And then in '09 I actually was promoted to director, service test
5 engineering, and I was responsible for all the major installations
6 and the testing in the field. So I've been doing that since '09.

7 And then here last year around March, I was promoted to
8 assistant chief engineer. So that's my current title. My team's
9 responsible for all, you know, signal engineering, signal design,
10 project management, service testing and configuration management
11 with the signal system.

12 Q. Okay. Thank you, Jason. And so kind of broaden our
13 understanding, what are your duties and responsibilities? What do
14 you do on a daily basis or monthly or annually?

15 A. Okay. So, you know, our biggest thing right now, of course
16 we're putting PTC in, so my team manages all the wayside
17 installations with that. So that would be everything from design,
18 project management, to actually the testing associated with
19 putting the signal system in service. So PTC's a big portion of
20 that. We also work on capital projects, you know, associated with
21 major siding extensions, capital improvements for transportation.
22 So we're really -- my team's responsible for all the design and
23 project management.

24 Q. Okay. I know Mr. Page is going to kind of drill down on some
25 of the technical stuff but let me try to establish some

1 background. So regarding PTC installation, when -- what year did
2 that kind of begin on CSX?

3 A. So you know, of course the law was passed in 2008. You know,
4 I know for about a year, a year and a half, 2 years we were
5 evaluating really what needed to be done. We really started to
6 push this right around '09, '10, once we figured out what we were
7 going to do. Of course, with projects it takes a little while
8 from start to in-service to get to that point, but really our
9 installations out in the field really started ramping up in about
10 2010, 2011.

11 Q. Okay. And just give me a ballpark figure, I'm not looking
12 for anything exact. What percent of the overall PTC installation
13 or implementation do you think -- where are you at now in that
14 whole scheme of things?

15 A. Talk about overall just C&S or overall company?

16 Q. However you want to answer it.

17 A. Okay. From a C&S standpoint on the wayside, we're about 93
18 percent cutover right now. We have another 7 percent to go. We
19 will be, you know, complete with our hardware through the end of
20 this year and I think we've got a couple of subs that will go into
21 the first quarter of next year.

22 Q. Okay. Now as I understand it -- my background is a track
23 guy, but I've learned a lot in this accident. These
24 installations, you do them a line segment at a time. And maybe
25 that's 10 miles, maybe it's 20 miles, whatever the chunk is that

1 you bite off for your signal suspension to accommodate the
2 installation, the changeover, the upgrade to PTC equipment. So my
3 guess is that if you're telling me 93 percent of it's done, we're
4 talking literally thousands of miles; is that correct?

5 A. Absolutely.

6 Q. Okay. Now if each installation chunk that you bite off and
7 go out in the field and upgrade, if that's like in the 10, 20, 25
8 mile category, how many suspensions have you successfully
9 completed?

10 A. Okay. So I know we've been doing signal suspensions for well
11 over 25 years, way before me. I know if you just look back at the
12 10 years that I've been involved, we've had close to 1,000, I
13 would say.

14 Q. And if we look at your ramp-up after 2010, whenever you
15 started the big push, so we're talking 7, 8 years of that. We're
16 talking literally hundreds of signal suspensions geared at
17 upgrading wayside signals for PTC?

18 A. Yeah. So, you know, last year we had around 117 cutovers.
19 If you looked pre-PTC, we would have been down in the 30s.

20 Q. Okay.

21 A. So it's about three times as what we've would have done
22 without PTC.

23 Q. And the 117 -- average year, big year?

24 A. That's a big year, yeah.

25 Q. Okay.

1 A. We've been in the hundreds for, since 2013.

2 Q. Now you may not know all the way back to every signal
3 suspension. That's not the question I'm asking you. In any of
4 those previous signal suspensions, and I'm talking like for PTC
5 installation, do you recall CSX experiencing an accident or an
6 incident?

7 A. Yeah, no, we've never seen anything like this. You know, our
8 train crews have done a, you know, a very good job during the
9 suspensions and this is really the first time we've experienced
10 something like this.

11 Q. Okay.

12 A. That I'm aware of.

13 MR. HIPSKIND: All right. Jason, that's all I've got.

14 Ricky, do you want to pick it up from there?

15 MR. PAGE: Yeah, thank you, Dick.

16 BY MR. PAGE:

17 Q. This is Page. Do you know how long the block was that was
18 being cutover at Cayce, South Carolina?

19 A. Yes.

20 Q. The length of the temporary signal suspension.

21 A. Yes. So it was between the, you know, the 362 holdout and
22 north end Woodford. So it was about the 362.5 and the 385.1.

23 Q. So about 23 miles?

24 A. There you go. Yep.

25 Q. Thank you. And we've already talked about that during this

1 cutover we had a temporary signal suspension; is that correct?

2 A. Yes.

3 Q. Who makes that decision at CSXT to have a temporary signal
4 suspension?

5 A. So it's really our standard process for our major
6 installations. So of course, we'll use a suspension for several
7 things per our operating rules. One would be, you know, if
8 there's an emergency. Typically hurricanes or storms, we'll use
9 signal suspensions. And then some of these, you know, major
10 installations, we'll utilize a signal suspension.

11 Q. Okay. But who would make that decision to temporarily
12 suspend a signal system at Cayce?

13 A. I would.

14 Q. So you made the decision or approved?

15 A. No. I request these. So basically we determine, hey, we've
16 got a project out there, you know, to put PTC in. What we would
17 do is we would request approval from our operating department for
18 the suspension limits. So in this case it would be, hey, we've
19 got a project to put in north end Nassau, south end Nassau, north
20 end Dixiana, south end Dixiana, and we're going to need a
21 suspension from the holdout to north end Woodford. We would
22 request that about 60 days prior to the cutover.

23 Q. So it's a concerted effort between different departments?

24 A. Yes.

25 Q. After you lay it, after you kind of lay it out for them?

1 A. There you go, yeah.

2 Q. Then they give their approval, also?

3 A. That's correct.

4 Q. Thank you.

5 A. So, of course, you know, during that process I work with our
6 field test engineer to make sure we've got a good game plan. But,
7 you know, really that's given to our Network Operations at that
8 point to approve.

9 Q. What safety risk mitigation is considered when allowing a
10 temporary signal suspension to be in effect? Is it dependent upon
11 the type of cutover, the length of the cutover, or train traffic,
12 or --

13 A. I'm not really sure, you know, how to answer that. I know
14 we've got a set of operating rules, you know, that are really
15 defined. And regarding the length, you know, whether it's short
16 or longer, those rules are in place. I guess what I'm saying, we
17 don't treat one different versus others. You know, it's a signal
18 suspension and there's a set of operating rules that we follow.

19 Q. So in other cutovers have you ever used a different risk
20 mitigation such as spiking switches or clamping switches or having
21 switch tenders during the cutover?

22 A. So there are times where we'll use switch tenders. That's
23 really, you know, up to our Transportation Department. They kind
24 of determine that and it's usually where they -- you know, I
25 really can't speak to why, you know, why they choose in some

1 instances to use them and others not.

2 Q. But usually the Transportation Department makes that
3 decision; is that correct?

4 A. That's correct.

5 Q. Thank you. Who would -- who or what person or department
6 would decide to operate under an EC-1, or a manual block, as
7 oppose to operating at restricted speed during a signal
8 suspension?

9 A. Well, like I said, this is our -- this has been CSX's, you
10 know, approach to doing signal suspension, so, you know, it's our
11 -- it's in the operating rules that this is how we would do it,
12 with an EC-1.

13 Q. Okay. Let's talk about that for a second.

14 A. All right.

15 Q. Operating Rule 504.35 talks about removing signals from
16 service when -- only when authorized by proper authority in the
17 following circumstances: a storm, flood, (a); (b) prompt
18 restoration of signal system disruption for other causes cannot be
19 effected; or (c) construction work necessitates the signals'
20 temporary removal from service.

21 And then Rule 504.36 states that: "Special instructions,
22 dispatcher message, or Form EC-1 may temporarily remove block
23 signals and signal rules from service. When the signal system is
24 suspended, establish an alternate method of operation and notify
25 all trains affected."

1 And then lastly, Operating Rule 504.37. It states: "Unless
2 otherwise specified, when signals are temporarily removed from
3 service, trains must," and there's five bullets.

4 1. Approach all Absolute signals prepared to stop and not
5 pass these signals without permission of the train dispatcher;

6 2. Stop at drawbridges and railroad crossings at grade and
7 be governed by the rules or special instructions in effect for
8 that particular location;

9 3. Approach all public crossings at grade that are equipped
10 with automatic grade crossing warning devices prepared to stop and
11 provide protection;

12 4. Examine switch points of spring switches to confirm they
13 are lined and switch is locked before making a facing point move;
14 and

15 5. Operate switches and derails in accordance with the rules
16 governing operating switches and derails by hand.

17 Do you know if 504.37 was complied with on the day of the
18 Cayce accident?

19 A. So 504.37, so there was a general bulletin that actually is
20 put out, you know, with every signal suspension and there are line
21 items in there that, you know -- and I can read it here if I can
22 find it here. But it speaks to, hey, it's not necessary for
23 trains to approach signal prepared to stop. Highway crossings
24 within the limits of the signal suspension are in operation.
25 There's four or five items in there in the general bulletin, you

1 know, for 504.37.

2 Q. So in other words, the general bulletin exempted --

3 A. Supersedes.

4 Q. Supersedes --

5 A. Yes.

6 Q. -- the five bulletins in 504.37?

7 A. Yeah.

8 Q. Okay. Thank you, sir.

9 This temporary signal suspension planned for Cayce, was it
10 planned for 2 days?

11 A. Yes. When we -- like I said, 60 days prior to the cutover --
12 you know, on average 60 days. Of course, you know, there are
13 times we may be a little bit closer to the cutover or a little bit
14 longer. We request the cutover and it was planned to start on
15 Monday at 0800 and be completed on Tuesday. That's what we had
16 actually requested and what was approved by the operating
17 department.

18 Q. The day of the accident, the signal crew went off duty
19 approximately 7 p.m.; is that correct?

20 A. Yeah, I've got that --

21 Q. For some reason that's in my mind.

22 A. Yeah, let me -- yeah, let me --

23 MR. AMMONS: Yeah, actually the prior day. The prior day,
24 right?

25 MR. PAGE: The prior day, I'm sorry. You're correct, Steve.

1 MR. SCHROEDER: Yes, around 1900.

2 BY MR. PAGE:

3 Q. Because the accident happened around 2 a.m. the following
4 day. Thank you.

5 What was the reason for the signal personnel going home at
6 that time?

7 A. So we're governed by hours of service rules with our signal
8 department. So, you know, in this area we had really -- I think
9 we had 43 signalmen, 5 managers, and -- you know, we had all of
10 our people in the area working on this cutover. So at the end of
11 the 12 hours, by law, really that's all the longer we can work.

12 Q. You stated, we had 43 signalmen and 5 managers for a signal
13 block of 23 miles. Would it have been possible to lay a number of
14 those signal people down prior to that for a minimum of 4 hours?
15 Does the code allow that, the hours of service code?

16 A. Absolutely, we could have done that. I know, you know, there
17 was a -- you know, we go into these cutovers, they want to get
18 these done as soon as possible, right? I know it's in the
19 performance goals for our engineers.

20 And I know coming up to the end, he needed all these people
21 to kind of -- you know, with the hope we could get it done early.
22 So that was his thought. He's got, you know, he's got the
23 authority to kind of make that decision out in the field, and he
24 was driving to get it done. You know, if you think about these
25 cutovers, you've got Task 1 to 50 to complete during the cutover,

1 right? And when you get to the end of the day, if you've got 50
2 complete, we'll put the signal system back in service.

3 And, you know, one of the things I know about signal
4 suspensions and signal cutovers is that when you start a cutover
5 there's risk, you know, with putting switches on hand, applying
6 jumpers, talking to employees. There's the same risk when you end
7 a cutover towards the end of the day. And one of the things we
8 don't want our people doing is rushing and potentially causing a
9 personal injury with one of our employees or putting a signal
10 system back in service that's not completely checked and safe.

11 So, you know, I think he got to the end and he was close and
12 he did not feel comfortable with where the signal system was and
13 made the decision to stop. So but, you know, through the day he
14 was pushing to kind of get it done.

15 Q. The five managers, providing they're not doing any type of
16 signal work, were they subject to the hours of service law?

17 A. So they're not subject to the law, but we try to still -- you
18 know, we don't want people working more than 12 to -- 12 hours.
19 You know, they're involved in every bit of this testing, so we
20 want everybody to be in good sound judgment. So, you know, we
21 treat that as a group. So we try to stick to the 12 hours.

22 Now there could be circumstances where we may, you know, in a
23 supervisory role have them stay a little bit longer, but, you
24 know, we try to stick to it.

25 Q. Thank you. Do you know how long it -- the amount of time

1 taken to cut the signal system over the following day after the
2 accident?

3 A. So I know -- you know, I talked with our folks in the field
4 there and there was a couple times that they did testing, you
5 know, once in the morning and another time in the afternoon when
6 they got to it. I think, you know, depending on the work -- you
7 know, I'm not sure about the exact amount of time it would have
8 taken. It's -- you know, the situation was a little bit different
9 because it was days later, right? And they had lots of time to
10 think and kind of travel back there. So I don't know if the time
11 would be exact, you know, as if it was in the real, you know,
12 Tuesday morning type of environment.

13 Q. Okay. Thank you. Do you know the train count for that
14 section of track at Cayce, South Carolina in a 24-hour period?

15 A. I do not.

16 Q. Thank you, sir. Did CSXT apply for a signal discontinuance
17 with the FRA or --

18 A. Not a discontinuance. I know we put in -- we've got a waiver
19 with the FRA around all of our new installations.

20 Q. Yes, sir.

21 A. And we had actually sent a letter in, you know, in compliance
22 with that waiver to the FRA notifying them of this project.

23 MR. PAGE: I want to enter Exhibit S-7. It's a letter from
24 Harry C. Rhoades, Director PMO C&S by CSXT, to Carmen Patriarca,
25 Regional Administrator, 3, Federal Railroad Administration. And

1 the subject is installation of PTC compatible equipment, Florence
2 Division, Columbia Subdivision, Phase 7, milepost S363 to milepost
3 S380.

4 BY MR. PAGE:

5 Q. I want you to take a moment and look at that.

6 A. All right.

7 Q. Is that one of the documents you were referring to that you
8 notified the FRA?

9 A. Yes.

10 Q. Could you read the highlighted paragraph as the end, towards
11 the end for the record?

12 A. All right. "This arrangement will have no adverse effect on
13 train operations and is approved by transportation and operating
14 departments."

15 Q. Thank you, sir. What does that mean to you?

16 A. I think that means to me from a design standpoint, the signal
17 system we're installing will actually be an improvement. So I
18 think that's what that's referring to. You know, Dusty and this
19 group, they're our design managers.

20 Q. Okay. Thank you. Did the -- did CSXT discuss the temporary
21 signal suspension with the FRA verbally or in writing, in any
22 manner, on this particular signal system cutover?

23 A. I know we've got a pretty -- our team in the field's got a
24 really close relationship with our FRA inspector out there, so I
25 don't know if they did on a local level. From an office

1 standpoint, I'm not aware.

2 Q. Okay. How many signal gangs are devoted to the modification
3 of signal systems to afford the installation of PTC at CSXT?

4 A. So that, I don't know if I have the exact number. I can get
5 that to you. I mean, I've got just a ballpark, but I would hate
6 to just guess on the --

7 Q. How about a ballpark figures; is that okay?

8 A. So, you know, at the peak we were well above 700 signalmen.
9 We're probably around 500 or so right now.

10 Q. Thank you, sir. Would it have been permissive to work the
11 signal personnel past the 12 hours at Cayce?

12 A. So I've actually -- we've talked to the FRA and they've kind
13 of given us a hard line on that. I think internally, I feel like
14 the -- I feel like it would be the right thing to do, and I don't
15 think it would adversely affect the safety of our employees to go
16 a little bit longer. But we've got a pretty hard line on this
17 right now from what we're -- we've been told by the regulatory,
18 you know, governing FRA here.

19 Q. So to exceed the 12 hours of service law for a signalman
20 would have resulted in a violation or a penalty; is that correct?

21 A. Yes.

22 Q. Thank you, sir. We talked about testing. What's the purpose
23 for the testing? I mean, I know and you know a lot about signal
24 testing, but the general public will probably want to know.

25 A. Okay.

1 Q. What's the purpose of it? What's the purpose of the testing?

2 A. So, you know, of course during the cutover, you know, that's
3 the end result of a bunch of time preparation. So there'll be
4 design, testing, we do a lot of work leading up to a cutover to
5 make sure the signal system is safe for train operations.

6 So what we're doing during the cutover is we're basically
7 removing the old legacy signal system. We're going to put a new
8 signal system in place. In this case it was a PTC-compliant
9 signal system. And during the day, and, you know, these 50
10 employees we've got out there working, what they're doing is
11 they're validating that switches throw when they're supposed to
12 throw, the signal colors and the aspects are proper per the routes
13 and they're complete, and any applicable FRA test for the assets
14 out in the field -- we're testing highway crossings to make sure,
15 you know, the warning devices properly activate on the approach of
16 trains.

17 So, you know, in this instance, we had -- I've got the
18 details here. We were actually testing 5 new signal houses, 17
19 new signals and 12 power switches, and then 9 highway crossings to
20 make sure that they were proper and ready for train operation.

21 Q. Thank you. If only the hand-throw switches were left to
22 check in this particular temporary signal suspension, could they
23 have been clamped or spiked or removed from service and then had
24 the signals placed back in operation?

25 A. I know the -- it's kind of hard to say. I'd have to go look

1 at, you know, this scenario just a little bit more. It kind of
2 depends on -- you know, in some of these instances there are
3 repeaters where we're, where we've got track circuits that
4 actually interface with the control points where you've got your
5 codes going in and out. And that's really utilized for the
6 wayside signal system and the aspects at adjacent locations.

7 So I think if you're just going to look at one switch, you
8 know, and that's the only thing out there and that repeater is
9 actually proven, you could say, yes. But, you know, in this
10 instance, from what I understand, we had more, we had more than
11 that. I know where there was some switches we needed to test.
12 There were also some aspects over several routes that we needed to
13 prove.

14 Q. Thank you.

15 A. Yeah.

16 Q. Let's go back to switch protection and switch tenders. You
17 stated earlier that Transportation Department decides if there
18 will be switch tenders; is that correct?

19 A. That's correct.

20 Q. Were there any switch tenders during this temporary signal
21 suspension?

22 A. I would have known this here about a month ago here. I don't
23 know if I recall. I don't believe so, but I don't, I don't know
24 that factual. We've had so many cutovers since this one and I
25 don't know if I recall.

1 Q. Okay. During this temporary signal suspension CSXT used the
2 operating method of EC-1; is that correct?

3 A. That's correct.

4 Q. As opposed to having trains travel on restricted speed; is
5 that correct?

6 A. That's correct.

7 Q. Do you have any idea why CSXT made that decision?

8 A. Well, it's been -- like I said, I think it's been our
9 standard process for well over 25 years. I think there is a risk
10 when you have trains operating at restricting speed, especially
11 while you've got signal work going on. You know, we could
12 potentially take a signal outage and it could -- we could leave
13 the signals out for a whole week, right, if you had a lot of
14 trains just bogged down inside the signal suspension.

15 So I feel like, you know, this allows us the opportunity to
16 restore the signal system in an expedited manner.

17 Q. What was the maximum authorized speed for a passenger train
18 in this temporary signal suspension at restricted speed, what
19 would have been the maximum authorized speed?

20 A. At restricted speed?

21 Q. At restricted speed.

22 A. So up to 15 miles an hour -- or 20 miles. We just recently
23 changed that. Yeah, 20 miles an hour.

24 Q. Thank you, sir. What's the maximum speed for the passenger
25 train operating under EC-1 authority?

1 A. Fifty-nine miles an hour in dark territory.

2 Q. Fifty-nine. Thank you.

3 MR. PAGE: I have no further questions at this time.

4 MR. HIPSKIND: Thank you, Ricky.

5 Steve?

6 MR. AMMONS: Yeah, Steve Ammons, CSX.

7 BY MR. AMMONS:

8 Q. Just one thing I wanted to clear up, Jason. You mentioned
9 the signal suspension for Cayce and I think you said, Monday,
10 Tuesday. Was this -- was that supposed to be a Saturday, Sunday?

11 A. Oh, shoot, yeah. Yeah, I'm so used to the Monday, Tuesday.
12 Yeah.

13 Q. Yeah. So is it typical that we would have a signal
14 suspension over the weekend like that, on a Saturday, Sunday? Is
15 that pretty typical with you guys cutting so many over throughout
16 the year?

17 A. So what we try to do is strategically schedule these to where
18 we're not in conflict with other -- conflicting with other train
19 operations or engineering work. I think in this instance we had
20 some production work we were trying to avoid us being out there at
21 the same time. So we moved it to Saturday to, you know, avoid
22 overlap there.

23 Q. Is that common or uncommon that you would have it on Saturday
24 or Sunday like that?

25 A. We will have tape loads every month on a Saturday. It's not

1 all of them, but it's not uncommon.

2 MR. AMMONS: I don't have any other questions.

3 MR. HIPSKIND: All right. Ricky, you still good to go?

4 MR. PAGE: No, I've got a couple more. Do you want to
5 proceed first?

6 MR. HIPSKIND: Let me, let me jump in with a few.

7 MR. PAGE: Okay.

8 MR. HIPSKIND: And give you just a little bit of time to
9 collect your thoughts there.

10 BY MR. HIPSKIND:

11 Q. I just want to go back with you, Jason, and just satisfy some
12 curiosities I have. I know we kick around some of the -- when we
13 talk about these subjects, about cutovers and people being out on
14 the track and projects and different departments working together,
15 we often at NTSB talk about -- we use terms like safety management
16 systems, identifying risk, risk mitigation, all those kinds of
17 things. And just to be honest with you, I'm trying to get up to
18 speed with all that. And I know that in my 40-plus years, I never
19 received any training on these kinds of concepts, safety
20 management systems.

21 So let me just ask you, have you received any training on
22 safety management systems?

23 A. Safety management systems, not really sure. I would say no
24 in terms of that. I know we have a lot of training we go through,
25 really around, you know, signal engineering practices, service

1 testing, operational, you know, safety. I know we go through our
2 annual certifications and things, yearly. I'm not sure if you're
3 talking about something more than that, but we do quite a bit of
4 training every year for various things.

5 Q. No. You gave me the answer that I'm accustomed to, that is
6 safety inherently part of railroad operations and working. I
7 think we can all say, yes, and do employees and managers receive
8 safety training. But I just want to separate out that those kinds
9 of things about the duties and responsibilities for the specific
10 crafts is separate from maybe a training course that has to do
11 with safety management systems and all the attendant jargon, terms
12 and concepts. And it doesn't sound like you've had that in your
13 career?

14 A. I mean, I'm not aware of it.

15 Q. Okay.

16 A. Yeah.

17 Q. Okay. So when -- but some of what, the dialogue we want to
18 have with you today is this whole process of -- and that goes to a
19 lot of the questions that Ricky was asking you; how do we spin up
20 a signal suspension, what's inherent in the process? And I would
21 ask you, what -- how would you characterize the level of input
22 that you get when you identify, okay, Columbia South, Columbia
23 Subdivision and we want to do a 23-mile signal suspension there?

24 What kind of input do you normally get, not only with that
25 one, but just in general signal suspensions? Do you get input

1 from the field? Do people call and say, Jason, we've got this
2 issue and that issue, and this particular cutover is different
3 from the one we did last week because we've got this, this? And
4 do you also get input from the operational people? Can you speak
5 to some of that?

6 A. Yeah. So first is input from the field?

7 Q. Yes. And then input from the operation people.

8 A. Okay. Yeah, so every year, you know, we've got a look ahead
9 on our projects. So, you know, right now I can tell you through
10 the end of the year what we're projecting.

11 So when we get within like the window of that cutover, 65
12 days or so, you know, that's really where our engineers in the
13 field, test engineers really start engaging with the field work,
14 starting to prepare the project. They study, they'll look at the
15 project. Their biggest focus initially is to make sure the design
16 is proper, right? They spend the majority of their time really
17 proofing the signal system and the design. And they get a little
18 bit closer, they start thinking about now how do we manage this
19 cutover. You know, we've got this suspension coming, you know,
20 who do we need for resources, whether it be internal employees; in
21 some instances we need external, you know, foreign railroads like
22 Norfolk Southern. We cross them quite a bit. So they'll start
23 planning some of those types of things.

24 So they really provide the first feedback to us when we start
25 the process of approving to Transportation, on the amount of time

1 they think they'll need, any special request for curfews or
2 specific things that may be out longer than others. You know,
3 really our test engineer or our construction engineer would
4 provide feedback and then we would take it to the Operating
5 Department. So they've got a lot of input.

6 Then of course the Operations side, you know, they really
7 kind of, you know, oversee all the operations on the railroad, so
8 they take these requests from us and approve them. And then from
9 there, they kind of take, you know, the briefings over with the
10 train crews and the dispatchers and others that are really more on
11 their side. So yeah, it's kind of, you know, we meet with them
12 weekly to review these, the Operations Department.

13 Q. Okay. And here's where I'm going with this, that even though
14 our terminology about, well, a signal suspension at Cayce, 23
15 miles, and the week before it was someplace else, and the week
16 after it's going to be someplace else, although the process is
17 somewhat the same, there are little nuances, little changes.

18 A. Sure.

19 Q. For example, the segment of track that you decide to complete
20 your signal upgrade may have a different number of switches,
21 correct?

22 A. Yeah.

23 Q. Different number of signals, highway crossings, hand-throw
24 switches. It could be single track, it could be double track, and
25 as you indicated, it may involve another railroad. So what I'm

1 trying to get at is, they're not just cookie cutter.

2 The overall goal of the project may be signal cutovers,
3 signal suspensions for the installation of PTC, you do this
4 segment this week, the next segment the next week, but there are
5 differences and that's why I'm asking about the field input. Do
6 you think it's sufficient, that you're being made aware of the
7 differences of the different cutovers?

8 A. Absolutely. And I do agree with you. If you look at this
9 block of signals here, you know, it's -- I'm not going to say, it
10 -- you know, the scope is, could be vastly different than one we
11 may do up in Buffalo Terminal, where we could have three tracks.
12 You know, I know we've had some pretty big suspensions up north.

13 So there's definitely differences. And I think the input
14 from the field, like I said, I think we're very fortunate with the
15 engineers we have. We have them kind of strategically placed
16 throughout the network and, you know, we count on their input when
17 planning these cutovers.

18 Q. Okay. So not every signal cutover is the same?

19 A. No.

20 Q. Even though the goal on the upgrading may be -- that's
21 ultimately what you're out there for in each and every one of the
22 cutovers.

23 A. Yeah.

24 Q. Okay. And let's talk about the operations input. I get it
25 about the field and how you guys are -- you need to know all those

1 things about how many miles, how many signals, how many hand-throw
2 switches to properly staff and complete the work. So the first
3 thing I want to get at is, you've had many signal cutovers, signal
4 suspensions that were planned for 2 days, right?

5 A. Yes.

6 Q. And sometimes they're completed in a day and sometimes you go
7 into the second day?

8 A. Yes.

9 Q. All right. When we talk about the input from the operations
10 people, is there a pushback as -- do they ever come back and say,
11 wow, you're going to do that on Saturday and we've got a
12 tremendous amount of freight traffic that usually flows through
13 there? Give us some view into that part of their input.

14 A. Yeah. So, you know, of course, this impacts their world
15 quite a bit. You know, anytime you take a signal system like this
16 down, and we're going to change it out, you know, that impacts
17 them quite a bit. So they've got a lot of feedback.

18 I know there's instances where, you know, due to the peaks
19 and the valleys with transportation -- you know, I know up on our
20 northern area we'll actually move the cutovers to Sunday because
21 that's a light day for train operations. And I know if we were
22 out there on a Tuesday or Wednesday, we would have -- you know, we
23 could have twice as many trains come through the limits. So we
24 will -- Transportation gives us that feedback and we'll actually
25 schedule them accordingly.

1 There are times, and I know we do this, you know, quite a
2 bit, we actually have a Passenger Services Group that actually
3 meet with Amtrak, and we will curfew trains, passenger trains
4 coming through limits. And I know they do that quite a bit. But,
5 you know, Transportation has a lot of say in how we plan these.
6 You know, ultimately they really approve our plan that we've
7 requested.

8 Q. Well, Jason, does it get down to -- if I was in your shoes
9 and I was going to do a 20-mile segment, and operations came back
10 to me and said, whoa, Saturday or Sunday, they're both bad days;
11 we've got 50, 60 trains to run.

12 So, I mean -- and I know that doesn't happen in each and
13 every cutover, in each and every environment. I get that. But
14 when you're talking, when you're getting that feedback from
15 operations, what is the allowance? What's the calculus for, oh,
16 my God, they're going to continue running trains?

17 And so as a layman, I'm going to ask you this question, if
18 they continue to run trains while you're trying to do your
19 cutover, does that impede the progress? Does it -- is it not
20 consequential? How do I think about that?

21 A. So, you know, I think, you know, just, if you took a look at
22 just the general view around this process everywhere, I think
23 moving trains through the limits like we do today actually keeps
24 the work progressing. But, you know, at the end of the day,
25 anytime there's a train in the limits, it slows the testing down.

1 So, you know, I'm a true believe that the way we do these
2 helps us expedite the work and has allowed us to get a lot of the
3 work done. You know, if we had trains bogged down in the limits
4 operating at restricted speed or stopped, we would be a lot
5 slower, we'd be out there a lot longer, and we would not have as
6 much done as we've got done right now. That's my opinion. But
7 you know, trains impact this work; they do.

8 Q. I don't want to put words in your mouth, but what you just
9 said, I need to put a finer point on it. If every train through
10 the limits of the signal suspension went at restricted speed?

11 A. Yeah.

12 Q. Okay. And let me just -- I want to clarify. An EC-1 to me
13 is tantamount to a track warrant, a mandatory directive?

14 A. Yes. Yeah.

15 Q. Train crew calls the dispatcher. They have a conversation.
16 They're filling out a prescribed form. And I think one of the
17 points that Ricky was going to make is that when we're talking
18 about an EC-1 or a track warrant, there are many different options
19 that a dispatcher can exercise with the train crew. One being, I
20 want you to go from A to B, the authority I'm giving you, at
21 restricted speed, correct?

22 A. Yes.

23 Q. Okay. And the other thing I wanted to get in on the record,
24 restricted speed, you answered the maximum authorized speed is 20
25 mile an hour. I'll grant you that. I believe that that's

1 correct. And -- but you've gone through a lot of safety training
2 and operations testing and all that.

3 A. Yeah. There's more to it.

4 Q. There's more to it. And just want to enter that. I just
5 want to get that -- another part of it is not to exceed 20 mile an
6 hour, being able to stop within one-half range of your vision for
7 misaligned switch, broken rail, blah, blah, blah. Right?

8 A. Back of train, yep.

9 Q. Okay. So, and that kind of supports your point about trains
10 won't be going through a signal suspension at 20 mile an hour?

11 A. No.

12 Q. Inclement weather, fog, whatever, that could seriously
13 disrupt some of your progress with the signal cutover?

14 A. Yeah.

15 Q. Okay. Do you ever get the -- when you hand this over and
16 notify the operations people at CSX about 60 days ahead of time,
17 do they ever give you any feedback about what they do with their
18 coordination with other railroads, whether it be NS or a foreign
19 railroad or Amtrak? Are you in that part of the loop?

20 A. So like I said, we meet with them every week. You know,
21 these would be the superintendents and the general managers of,
22 you know, of the railroad. And we talk through every one of these
23 projects, including other engineering work.

24 Thirty days prior to the cutover, we actually send all the
25 general bulletins out and it's sent out to everybody that's a

1 stakeholder, whether you be Transportation, Engineering, C&S, and
2 then we actually have a conference call. So, you know, our
3 superintendent's kind of responsible for the conference call, kind
4 of planning the signal suspension. And they'll review the
5 bulletins. We'll have trainmasters on there. So we do hear some
6 of that, you know, what they plan to brief crews about or
7 dispatchers about.

8 Q. Are the -- do you recall if the foreign railroads are ever
9 part of those telecons?

10 A. Yes.

11 Q. Amtrak?

12 A. Now let me think about this. So our Passenger Service Group
13 typically is, and they're actually our interface with Amtrak. But
14 I can tell you I know we have the other Class 1 railroads on there
15 at times. I know Norfolk Southern's been on ours before and the
16 BNSF has. I don't recall if Amtrak, you know, actually has been.

17 Q. Well, but do you have confidence that if your passenger --
18 your CSX passenger people are on these calls, do you have
19 confidence that they've had an outreach to Amtrak and are almost,
20 in essence, speaking on their behalf or voicing their input?

21 A. Absolutely. I can just tell just in the engagement with
22 them, I know they work with them hand-in-hand about these, you
23 know, with these suspensions.

24 Q. Okay.

25 A. I've never been a part of that conversation with Amtrak, so I

1 can't speak to what they talk to them about, but, you know, I know
2 we've got a team that's devoted to it.

3 MR. HIPSKIND: Jason, you've done a fine job. I've got most
4 of my curiosities satisfied.

5 Ricky, do you have some other --

6 MR. PAGE: Just a couple more questions.

7 MR. SCHROEDER: Okay.

8 BY MR. PAGE:

9 Q. This particular temporary signal suspension at Cayce, in some
10 of the interviews the Transportation Department wasn't aware of
11 the technology of utilizing block indications. Can you talk about
12 that? I mean --

13 A. You talking about on the dispatch screen or --

14 Q. Exactly.

15 A. Okay. During the signal suspension or after, you know, while
16 we --

17 Q. During the signal suspension.

18 A. Yeah. So I know -- you know, if you think about it, this is
19 kind of one of those items that, you know, during a suspension,
20 the signal system's out of service, right? This is dark
21 territory. And if you look at just this one cutover here, we
22 actually had a TIS box on one of those track circuits, right? So
23 I think, you know, with the TIS box it's never going to indicate
24 to the dispatcher. So I don't think we can expect or we would
25 want the dispatcher to use those indications, you know, to be able

1 to determine the state of things out on the railroad.

2 Just like you made that point here earlier about every
3 cutover being different, this was one specific scenario where if
4 you looked at it, you had certain things set up. But there are
5 other ones where we may have track lights on through the duration.
6 It's really depending on whether you single-ended it here or here,
7 and, you know, where that was within the suspension limits. So I
8 don't think we could use those indications during a signal
9 suspension for any kind of information between what's going on in
10 the field and the dispatcher.

11 Now, of course, our field service test engineers which are
12 involved in all the field work, they know the state of every one
13 of these circuits out there. And they use these today during
14 testing but, you know, Transportation, from their standpoint, it's
15 not functioning.

16 Q. And just for the record, a TIS box is a piece of equipment
17 that simulates a code going into a track, electronic track
18 circuit?

19 A. That's correct.

20 MR. PAGE: All right. I've got no further questions.

21 MR. HIPSKIND: Jason, this is Dick Hipkind. Let me just
22 follow up.

23 BY MR. HIPSKIND:

24 Q. I've been curious, and I know that we came down here shortly
25 after the accident and we wanted to look at the dispatcher's

1 board. So again, from a layman's perspective, I get it. When
2 you've got that many people out there, spread over the 40 -- the
3 23 miles, a lot of people, a lot of talk on the radios, a lot of
4 activity going on in the bungalows, wayside, observing signal. I
5 get that picture.

6 But I want to distinguish between when you have all those
7 people out there and they're actively engaged in taking components
8 out, putting components in, messing around with the wires,
9 observing the signals, I call that the active signal suspension.
10 What time did they start that morning and before they stopped, to
11 me that is the active part of the signal suspension.

12 When the head guy in the field says, I don't want to turn the
13 signal system back on; maybe we've got to check hand-throw
14 switches, maybe there's more I want to do to make sure that this
15 entire thing is complete, and he makes that call. And he says,
16 it's 7 o'clock, it's Saturday; we can't get this done, we're going
17 to go home. And I'm -- I don't know that he said that, but in a
18 situation like that, he gives the signal system -- they stop doing
19 their stuff, okay? And is that still a signal -- is that still an
20 active signal suspension?

21 A. Yes. So the signal suspension from when we start to where
22 it's ready to go back in service is in place. I know -- you know,
23 if you think about this instant, this instant we've got the same
24 risk whether it's an hour into the cutover with signal people out
25 there or, you know, 15 hours later, there's really no difference.

1 The only -- you know, you think about the signal suspension.
2 We set it up, Transportation's operating through there based on
3 operation rules. At the same time, C&S is doing testing. They're
4 kind of separate items. So, you know, we had this risk an hour
5 into the cutover.

6 Q. Well, that's an interesting comment. I don't believe I've
7 thought about this, but let me just run this question by you. I
8 mean, if the local had been out there at a different time,
9 guaranteed this -- a different day. I'm changing things about the
10 accident, but there's a point to it.

11 So it's Saturday, it's about noon, and the local's out there,
12 and we get into this same setup of going in and out of hand-throw
13 switches and derails and stuff like that, and they call in and say
14 it's restored but it's not. We could have had that same accident
15 if a train was going through there?

16 A. Yes.

17 Q. Okay. That's news to me. Thank you for that. That helps me
18 understand this a lot clearer.

19 MR. HIPSKIND: I think that's all I've got.

20 Ricky, go ahead.

21 BY MR. PAGE:

22 Q. Page again. You talked about cutovers with other railroads,
23 especially up north where you've got multiple tracks and multiple
24 switches. In your opinion, what is the size of this cutover? Was
25 this a small cutover or a medium cutover or --

1 A. This was probably a -- from a -- I think it's probably, you
2 know, in the middle of the road. I'm not going to say it was
3 small. Small is like a siding, right?

4 Q. Okay.

5 A. So I know we had two sidings here, so this is about medium
6 size, probably average for us.

7 Q. So I'm going from memory. We had three control points; is
8 that correct? Four control points?

9 A. Yeah, four. Four, two sides.

10 Q. Four control points?

11 A. Yeah.

12 Q. And in part of your signal testing you're running routes to
13 ensure that there is no opposing or conflicting route can display
14 a permissive aspect; is that correct?

15 A. That's correct.

16 Q. Each switch has four routes; is that correct?

17 A. Yes, for an end of siding.

18 Q. Right.

19 A. In this instance, yes.

20 Q. All right. So we had four -- we had two ends of one siding,
21 another end at north end of Cayce Yard, right? So that was about
22 12 routes, and then the normal route through the block. So give
23 or take 15 or 16 routes. Is that about right?

24 A. Let's see here. We actually had five control points and then
25 a holdout.

1 Q. Okay.

2 A. So -- and then there were some intermediates in there as
3 well. So it's probably a little bit more than that.

4 Q. So as you said, it's a medium cutover?

5 A. Yeah.

6 Q. Would you normally suspend, have a 2-day cutover for that
7 type of --

8 A. For this scope, right here, I think with the highway
9 crossings involved and, you know, really talking to our field
10 folks and really the plan here, you know, we felt like we needed
11 to request the 2 days. So like I said, we planned it for
12 Saturday, February 3rd, and it was planned to end on Sunday,
13 February 4th. That's what we had actually requested. So that's
14 in line with, you know, what we would have done in other areas on
15 the railroad.

16 Q. Okay.

17 A. So --

18 MR. PAGE: Well, that ends my questioning.

19 MR. HIPSKIND: Okay. Thank you, Ricky.

20 I think we've about covered it.

21 Steve, any thing else?

22 MR. AMMONS: Yeah. No, I did have just a small -- a few
23 questions there around signal suspension planning.

24 BY MR. AMMONS:

25 Q. You mentioned that you had 115 in 2017, PTC cutover?

1 A. They wouldn't all be PTC. That's everything.

2 Q. That's everything?

3 A. Across the board.

4 Q. Oh, okay.

5 A. Yeah. So --

6 Q. All right. So that -- all right. So what about 2018? Any
7 idea what that number is?

8 A. In 2018, we're going to be at a similar number. Right now
9 we're projecting around 119.

10 Q. So out of 119, how many of those would be like PTC cutovers?

11 A. I'm thinking 75 percent of them are.

12 Q. Can you talk about the other types of signal suspensions that
13 wouldn't be involved in that? What are they for or what --

14 A. Okay. So like an example, you know, we just had one here on
15 Sunday. It was up in Richmond. We're actually building some
16 bypass tracks around Richmond to improve some fluidity for Amtrak
17 and our train operations to where they don't have to, you know, go
18 so slow through the yard. So that project actually had a bunch of
19 track work, you know, and signal work. So we basically had a big
20 capital project. So there are three cutovers associated with that
21 and we just got through the second one. So, you know, an example
22 would be major, you know, capacity improvements, siding
23 extensions, connection track additions. In this instance it was a
24 bypass project.

25 There are other projects that we actually work on just from a

1 C&S standpoint for reliability. It could be a subdivision off the
2 PTC footprint where we may have reliability issue with de-
3 energized code of track or something that's kind of really, you
4 know, a legacy type signal system. We'll go upgrade those using,
5 you know, capital.

6 So that's really, you know, the others. So if you think
7 about this, back in '09 we had 32 cutovers, right, and that's what
8 they would have been, capacity projects and signal reliability
9 projects. So that addition has really been PTC.

10 MR. AMMONS: So I want to make just a brief statement that
11 leads into a question, if Dick will allow me.

12 MR. HIPSKIND: Yeah. Please go ahead.

13 BY MR. AMMONS:

14 Q. So I'm sure it's nearly impossible if not impossible to plan
15 for the unplanned signal suspension, like Mother Nature type of
16 events, right. How many of those occur? How often do those
17 occur, these unplanned events where, you know, you have floods,
18 hurricanes, things like that, that knock out signal systems?

19 A. We actually had -- you know, I know it's not every year. We
20 had one last year, right, you know, towards the end of the season.
21 So I'm not going to say it's uncommon, but it's not something that
22 we do like multiple times a year. I think we had, you know, one
23 or two last year during the hurricane that came through Florida.

24 Q. So with that, with the PTC cutovers and the other types of
25 signal suspensions including the ones created by Mother Nature, as

1 far as you know, CSX always uses the same method of operations
2 through these signal suspensions or with their train dispatchers
3 and their crews?

4 A. That's correct.

5 Q. Do you think it's a good idea to have just one method to
6 operate in like that?

7 A. I think so. I mean, if you looked at the history, you know,
8 like I said, we've been doing this long before me, and you know,
9 we've been pretty successful. I know this -- you know, looking at
10 this in hindsight, you would -- you know, you wish we had a
11 different outcome. But I feel like this has allowed us to get a
12 lot of work done in a very disciplined process that's really
13 documented. All of our employees understand it and know about
14 these now.

15 Q. All right. Any idea the percentage of signaled territory we
16 have on CSX versus dark territory?

17 A. Yeah, so --

18 Q. Main track.

19 A. Yeah, I know we've got -- I don't know about the percentage,
20 but we've got quite a bit of dark territory. I know we were
21 trying to do a count of this here late last year for a score card,
22 and I know we had calculated pretty close to 6,000 miles. I don't
23 know if that's accurate or not, but I know we got quite a bit.

24 So we're -- you know, from a PTC footprint standpoint, we've
25 got 13,000 miles of PTC that we'll have installed here, you know,

1 with the implementation.

2 Q. But that includes dark territory, as well?

3 A. Yeah, it includes some dark territory, yeah.

4 MR. AMMONS: Okay. That's all I've got.

5 MR. HIPSKIND: Okay. Thanks, Steve.

6 Ricky, any --

7 MR. PAGE: No more questions.

8 MR. HIPSKIND: You're in a good, you're in a good spot?

9 Ms. O'Brien --

10 MS. O'BRIEN: I actually have some --

11 MR. HIPSKIND: -- I have not forgot you. Would you like to
12 speak to any kind of a clarification or anything?

13 MS. O'BRIEN: Yeah, it's just a clarification to make sure I
14 understood correctly.

15 BY MS. O'BRIEN:

16 Q. Jason, when Mr. Hipskind was asking you about safety training
17 and he used the term safety management systems, and asked you
18 about CSX --

19 A. Um-hum.

20 Q. Is that a term that you've heard before that we use at CSX?

21 A. No. I know we use risk management quite a bit and -- but,
22 you know, I think the term probably -- I've not heard that like
23 that, no.

24 MS. OBRIEN: Okay. I just wanted to be sure. Thanks.

25 MR. HIPSKIND: Well, anything else, Erin?

1 MS. O'BRIEN: I'm good. Thank you.

2 MR. HIPSKIND: Well, thank you for bringing that up.

3 BY MR. HIPSKIND:

4 Q. And now that I've heard your answer, can you elaborate on
5 that because often we talk past each other and I use terminology
6 that -- and Erin's right, if that's not something you're -- speak
7 to us about risk management training and how that is applied or
8 incorporated in the work you do.

9 A Okay. Well, I think, you know, there's -- you know, anytime
10 you work on a safety-critical signal system like we've got here,
11 there's risk working around it, whether you're doing design,
12 you're working in the field doing construction, maintenance or
13 testing. And, you know, if you look at our process on the way we
14 approach signal suspensions, at least from a C&S standpoint, we've
15 put a lot of time and effort into reducing the durations of our
16 cutovers. We revised processes, procedures, actually did some
17 benchmarking with some other railroads to kind of really lean that
18 out. And, you know, I actually was fortunate enough here several
19 years ago to actually participate in a business leadership program
20 that talked about improving efficiencies and really the benefits
21 of putting efficiencies into your process.

22 And in this instance, you know, really, you know, we were
23 able to come back and work some of these things in and actually
24 reduced our durations by almost 50 percent from where they used to
25 be many years ago. And, you know, we talk a lot about these with

1 our signal employees in the field. There's risk with these,
2 right. And really the work that we do really mitigates -- you
3 know, by keeping these things as short as possible, mitigates a
4 lot of risk, not only for the train operations but for our own C&S
5 employees that are out there working these long days throughout a
6 week.

7 So, you know, 4 or 5 years ago, it would not be uncommon for
8 us to have a 3, 4-day cutover, right? And really the majority of
9 our projects are done in the first day with a handful of them
10 going into the second day. So, you know, I know we've come a long
11 way. We've spent a lot of time with this.

12 Q. Would you say in the evolution of your railroad's experience
13 with cutovers, how important of a role does communication,
14 coordination and cooperation play in all of that?

15 A. Well, it's a -- I think that's a primary factor in actually
16 making these go well. That is one thing I feel like, you know,
17 with our Operating Department, you know, we do well with. I mean,
18 we actually, you know, meet with them weekly. And, you know, a
19 lot of these guys know our test engineers, you know, on first-name
20 basis and actually as things are being planned and as things are
21 changing, you know, they talk quite a bit. So it's absolutely
22 critical.

23 MR. HIPSKIND: Okay. I'm good. I don't know if any of that
24 conversation we just had generated any other questions, but if
25 not, I'll proceed to close out with your permission.

1 MR. SCHROEDER: All right.

2 BY MR. HIPSKIND:

3 Q. Okay, Jason, is there anything that you would like to add or
4 change to some of the discussion we've had this morning?

5 A. No.

6 Q. Okay. Are there any questions we should have asked but did
7 not?

8 MR. HIPSKIND: And thank you, Ms. O'Brien, I think you did
9 open up an important discussion.

10 BY MR. HIPSKIND:

11 Q. Anything else?

12 A. No.

13 Q. And do you have any suggestions for preventing a
14 reoccurrence?

15 A. You know, I think, you know, the one things we've talked
16 about internally and I know -- you know, I've even as much as just
17 a week ago talked to the FRA about, was really thinking about the
18 12 hours, you know, really having a hard line on that. If we have
19 just a little bit more flexibility with that, you know, I think
20 some of these projects where we're close, we could, you know, we
21 could get it done in an expedited manner.

22 You know, I know with PTC and all of these projects, in many
23 instances we've got three or four cutovers going on at one time.
24 You know, and if you looked back at last year and you looked at
25 our Southern Region, all in the same area, for the most part, on

1 our southern property. So, you know, we've -- I think if we had a
2 little bit more flexibility with that, just an understanding, hey,
3 you know, maybe going up to the 16 hours, we actually could
4 mitigate some of these things in the future.

5 Q. Is that an ongoing dialogue with them then?

6 A. It was pretty much --

7 Q. A no?

8 A. No.

9 Q. I kind of thought that.

10 A. Yeah.

11 Q. Okay. And you are aware of the 12-page safety advisory that
12 they put out?

13 A. Yes.

14 Q. Do you have any comment that you'd like to add at this time
15 about that?

16 A. I know we're reviewing it. I think the third item in there
17 about a best practice, I kind of wonder, you know, how having a
18 Signal Department employee help with the operation of the switch
19 actually makes things any better. We've got the same risk when we
20 operate switches, you know, as a BRS employee, same risk as a
21 train crew. So I'm not sure how that provides an -- you know, a
22 little more safety to it.

23 But, you know, we're reviewing it. I don't know if it's
24 something that, you know, we won't be able to do or we can do yet.
25 So we haven't looked at it like that yet.

1 Q. That is an interesting comment and I would just reply with,
2 the English language can be interpreted many different ways. And
3 I will tell you that, I thought -- the way I took it was, that
4 having a signal person there shadowing, like that local crew or
5 something like that, that they not only would ensure that there
6 was proper alignment but that they could contact over the radio
7 and say, okay, we've restored this switch; how does it look?
8 That's the way I took it.

9 A. Okay.

10 Q. So different people can look at that.

11 Okay. Anything else you'd want to comment on the safety
12 advisory, other than you guys are reviewing it and thinking up a
13 plan?

14 A. Yes.

15 Q. Okay. Is there anyone else who we should interview? And
16 you're aware we're going to talk to Mr. Carl Walker?

17 A. Yes. Yep. No, I know you spent quite a bit of time with our
18 folks in the field. From our department's standpoint, I don't
19 know of anybody else.

20 MR. HIPSKIND: Okay. If there isn't anything else, we will
21 conclude the interview. Thank you very much.

22 MR. SCHROEDER: All right. Yep.

23 MR. HIPSKIND: Thank you very much, Jason.

24 MR. PAGE: The time is 9:22 a.m.

25 (Whereupon, at 9:22 a.m., the interview was concluded.)

CERTIFICATE

This is to certify that the attached proceeding before the

NATIONAL TRANSPORTATION SAFETY BOARD

IN THE MATTER OF: COLLISION OF AMTRAK TRAIN #91 AND
 A STATIONARY CSX TRANSPORTATION
 TRAIN NEAR CAYCE, SOUTH CAROLINA
 FEBRUARY 4, 2018
 Interview of Jason Schroeder

ACCIDENT NO.: RRD18MR003

PLACE: Jacksonville, Florida

DATE: April 26, 2018

was held according to the record, and that this is the original,
complete, true and accurate transcript which has been transcribed
to the best of my skill and ability.



Romona Phillips
Transcriber