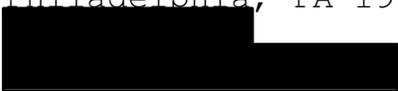


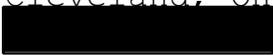
APPEARANCES:

On Behalf of Ms. Impastato:

JOHN BONVENTRE, ESQ.
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Philadelphia, PA 19103

ALSO PRESENT:

JOHN SALVEY
Vice President
American Train Dispatchers Association
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P-R-O-C-E-E-D-I-N-G-S

1
2 MR. FRIGO: All right, good evening. My
3 name is Ryan Frigo, the Investigator in Charge of NTSB
4 for this accident. We are here today on September 8th
5 at the National Railroad Passenger Corporations,
6 Amtrak's Headquarter in Philadelphia, Pennsylvania to
7 conduct an interview with Theresa Impastato, who works
8 for the National Railroad Passenger Corporation, or
9 Amtrak.

10 This interview is in conjunction with NTSBs
11 investigation of a collision of Amtrak Train 89, with
12 workers and equipment, on April 3rd, 2016 near Chester,
13 Pennsylvania, on the Northeast Corridor.

14 The NTSB accident reference Number is
15 DCA16FR007.

16 Before we begin our interview and questions,
17 let's go around the table and introduce ourselves.
18 Please spell your last name and please identify who you
19 are representing and your title.

20 I would remind everybody to speak clearly so
21 we can get an accurate recording. I'll lead off and
22 then pass off to my left.

23 Again, my name Ryan Frigo. The spelling of
24 my last name is, F-R-I-G-O. I am the Investigator in
25 Charge for NTSB on this accident.

1 MR. STEARN: My name is Steve Stearn. The
2 spelling of my last name is, S-T-E-A-R-N. I'm with the
3 Brotherhood of Maintenance of Way Employees.

4 MR. HOEPF: My name is Michael Hoepf, H-O-E-
5 P-F. Psychologist with the NTSB.

6 MR. HOLDCROFT: Forest Holdcroft, H-O-L-D-C-
7 R-O-F-T. I'm with the NTSB and I will be observing
8 today.

9 MR. WALKER: Frank Walker, W-A-L-K-E-R. I'm
10 a FRA Track Safety Inspector.

11 MR. HILL: Donald Hill, H-I-L-L. Safety
12 Task Force, BLET.

13 MR. BEATON: Bob Beaton, B, as in boy, E-A-
14 T-O-N. With NTSB.

15 MR. HIPSKIND: My name is Dick Hipskind.
16 And you spell my last name, H-I-P-S-K-I-N-D. I work
17 for NTSB and I am the Track and Engineering Group
18 Chairman for this accident.

19 MS. IMPASTATO: Theresa Impastato. The
20 spelling of my last name, I-M-P-A-S-T-A-T-O. Amtrak's
21 Deputy Chief Safety Officer.

22 MR. FRIGO: Thank you. Ms. Impastato, do we
23 have your permission to record our discussion with you
24 today?

25 MS. IMPASTATO: Yes you do.

1 MR. FRIGO: And do you wish to have a
2 representative with you today?

3 MS. IMPASTATO: Yes I do.

4 MR. BONVENTRE: My name is John Bonventre,
5 B-O-N-V-E-N-T-R-E. I'm the attorney for Ms. Impastato.
6 And from the law firm Landman Corsi Ballaine & Ford.

7 MR. FRIGO: Okay, thank you, John. And, Ms.
8 Impastato, are you okay if we proceed on a first name
9 basis?

10 MS. IMPASTATO: Yes please.

11 MR. FRIGO: Theresa, thank you. Thank you
12 for being here today. And just for the record, Theresa
13 is the Amtrak party spokesperson. Theresa has been on
14 scene participating in the NTSBs investigation.

15 From the time of the accident, Theresa has
16 sat in on the majority of the interviews conducted and
17 is Amtrak's coordinating entity for that accident. For
18 this accident.

19 So again, Theresa, thank you for your
20 participation. And if we could start out with a
21 synopsis of your work experience and take us up to your
22 current job.

23 MS. IMPASTATO: Certainly. My first
24 position in the industry was in 2000 in systems
25 engineering. I worked for the River Line during its

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1 design build phases. I performed system integration
2 and system assurance work with the signaling system.

3 In 2003, after the system was commissioned
4 and was ready to proceed to revenue ready status, I
5 transitioned into an operations role as a dispatcher.
6 I worked as a dispatcher for a period of, roughly one
7 and a half years.

8 At the one and a year half mark I began a
9 transition into process engineering. For about six
10 months I worked both as a dispatcher and as a process
11 engineer.

12 I worked full-time as a process engineer for
13 another six months or so and then transitioned into a
14 role in the system safety management department for the
15 River Line project. I was responsible for the drafting
16 and implementation of the system safety program plan,
17 for the River Line, in accordance with the FTA
18 requirements under 49 CFR part 659.

19 I came to Amtrak in 2011 as the director of
20 system safety for the engineering department. In
21 October of 2012 I was detailed to a special project to
22 oversee the system safety program planning aspects of
23 the New Jersey high speed rail project. It was an
24 approximately \$500 million grant, from the FRA, for
25 Amtrak to improve, in New Jersey, our infrastructure in

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1 order to support increased speeds for our Tier II and
2 Tier III train sets.

3 In 2014 I moved into the systems safety
4 department, which was newly formed, as the deputy chief
5 safety officer. Which is my current position.

6 MR. FRIGO: Great, thank you. And Theresa,
7 can you give us an idea of what the duties and the
8 responsibilities are of a deputy chief safety officer
9 at Amtrak?

10 MS. IMPASTATO: I have enterprise-wide
11 responsibility for the design, development and
12 implementation of Amtrak's safety programs. That would
13 be our safety management systems, our system safety
14 program planning and associated programs policies and
15 regulatory initiatives.

16 MR. FRIGO: Okay. We'll go back to SMS,
17 safety management systems, and SSPPs, system safety
18 program plans, in a second here, but what's a typical
19 day like a deputy chief safety officer?

20 MS. IMPASTATO: As of lately I've been
21 spending it with you folks quite a bit.

22 (Laughter)

23 MS. IMPASTATO: A typical day begins early
24 in the morning with a series of kind of daily
25 information gathering, daily assessment, daily internal

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1 review.

2 Amtrak has an injury reporting process that
3 issues a daily report. That's all reported injuries.
4 I review that in a daily basis with my staff.

5 I participate in a number of the operations
6 department calls in which we review safety concerns,
7 questions and issues as well as significant injuries or
8 events, from the prior day's period. Based upon the
9 incidents identified in that call, my day will either
10 be reactive in nature or proactive in nature.

11 If the incidents of the prior 24 hours are
12 incidents that require a field response, that require
13 investigation, that require analytics, that usually
14 will take up the remainder of my day working with my
15 direct reports and collaborating with the business
16 lines and operating departments, to identify causal
17 factors and address any emergent concerns and make
18 recommendations for remedial action.

19 In the event that the prior 24 hours were a
20 standard matter of course, and there weren't any
21 outlying events, my activities are geared towards
22 process assessment, critical self-assessment and
23 process improvement.

24 MR. FRIGO: Okay, thank you, Theresa.

25 You're bringing up a lot of terms that we're going to

1 come back on shortly. But can you give me a sense of
2 the, in 2011 you joined Amtrak as the director of
3 safety engineering, and in 2014 deputy chief safety
4 officer.

5 Can you give a little bit of history of
6 system safety and the system safety organization at
7 Amtrak?

8 MS. IMPASTATO: Certainly. When I joined
9 Amtrak in 2011 safety was decentralized. There was a
10 corporate safety group that was comprised of
11 environmental health and industrial hygiene safety
12 personnel. There were roughly 20 or so folks under
13 that umbrella.

14 Each of the operating departments had their
15 own independent safety organizations. I was
16 responsible for the day-to-day safety oversight and
17 programmatic elements of the engineering departments
18 safety efforts.

19 I had a counterpart in mechanical, multiple
20 counterparts in transportation and a counterpart in
21 high speed rail.

22 From 2011 through 2013, the safety
23 management at Amtrak was individualized and customized
24 to the needs of the specific departments.

25 In 2013 there was an organizational

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1 realignment. Which resulted in the splintering of the
2 environmental and health groups, away from the safety
3 group. And there was an independent safety group that
4 was established as a standalone department. The system
5 safety department.

6 Amtrak hired a chief safety officer in the
7 summer of 2013. Through 2013 through the end of 2014's
8 calendar year, the chief safety officer set about
9 consolidating and centralizing all of the safety
10 efforts.

11 All safety positions were going to be housed
12 under one roof, in order to increase synergy between
13 the departments, in order to employ economies of
14 scale and increase efficiencies. And in order to
15 establish, at the systemic level, a unified approach to
16 safety management at Amtrak.

17 MR. FRIGO: Okay, great. And then in 2014
18 you came onboard. Was there, as the deputy chief
19 safety officer. Was there a deputy in Chief before
20 you?

21 MS. IMPASTATO: No, there was not.

22 MR. FRIGO: Okay. Can you tell me a little
23 bit about the organization today? How should I
24 understand the office of system safety?

25 MS. IMPASTATO: The organization today is

1 still evolving. The organization is the result of
2 inheriting a number of the independent safety groups
3 and working to integrate them.

4 We're still moving through some iterations
5 of change. Our organizational structure and hierarchy
6 are not fully solidified at this point.

7 My organization is, I am a direct report to
8 the chief safety officer. The chief safety officers'
9 other direct reports are for administrative and
10 budgeting purposes and for volunteer public community
11 outreach and Operation Lifesaver.

12 The remainder of the department roles
13 through my organization. I have nine direct reports.
14 My direct reports include the directors of safety.
15 There are four field directors of safety.

16 There's a director of safety for the
17 mechanical department, a director of safety for the
18 engineering department, a director of safety for the
19 Northeast Corridor business line and a director of
20 safety of the long-distance and state supported
21 business lines.

22 Fifty percent of those directors were in
23 place before being integrated into the system safety
24 organization. The remaining two directors, their prior
25 occupants were integrated into the system safety

1 department and they sought to peruse other
2 opportunities. So they're current incumbents are new
3 hires to Amtrak.

4 In addition to the four field directors of
5 safety, I have a director of industrial hygiene who
6 oversees Amtrak's industrial hygiene efforts.

7 I have a passenger safety specialist who is
8 dedicated to programmatic assessment of passenger
9 safety improvements, as well as infrastructure and
10 systems that passengers interface with.

11 I also have a data analytics group that was
12 newly formed in January of 2016. The data analytics
13 group oversees data acquisition analyses and regulatory
14 required reporting under 49 CFR Part 225.

15 And lastly, I have a safety training group.
16 The safety training group was newly formed in 2015.
17 Their mission is to design, develop and assist in the
18 implementation of safety related training. Both in
19 accordance with regulatory requirements under FRA and
20 OSHA, in addition to the development of conceptual
21 training for safety management concepts.

22 Lastly, my ninth and final direct report is
23 a director who oversees the promulgation and
24 development of policies, programs and regulatory
25 initiatives. That position is responsible for assuring

1 that there are consistent uniform safety policies
2 throughout the organization.

3 One level down from my nine direct reports
4 are the lead safety specialists. Mr. Porto discussed
5 them in detail.

6 There are equivalent positions for lead
7 safety specialists in each of the other field
8 director's organizations. There are currently 19 lead
9 safety specialists. There are a couple of vacancies.
10 I believe we have 21 approved headcount.

11 They're geographically dispersed coast-to-
12 coast, across the system in order to complement
13 capacity and density requirements relative to the scope
14 of Amtrak services.

15 I also have some data analysts and some
16 industrial hygienists that work in my group as well.

17 MR. FRIGO: Do you have a, off the top of
18 your head, do you what the total head count, the total
19 full-time equivalent is for, dedicated to the Office of
20 System Safety Today?

21 MS. IMPASTATO: Forty-seven.

22 MR. FRIGO: Forty-seven. And do you know
23 what that number was at the time of realignment in
24 2013?

25 MS. IMPASTATO: Twenty-three.

1 MR. FRIGO: Twenty-three. So it sounds like
2 there's definitely been significant growth there. Are
3 you familiar with some of the planning that went into
4 the, after the realignment, and what the thoughts were
5 as far as what the optimal number of FTs would be
6 within the Office of System Safety?

7 MS. IMPASTATO: Yes. When I took the deputy
8 chief safety officer position one of the first things I
9 did was sit with the chief safety officer and do a gap,
10 perform a gap analysis relative to the needs of the
11 system, relative to the capabilities of our status quo
12 staffing levels as well as the skillsets of a number of
13 the incumbents.

14 We looked at some of the industry standard
15 staffing models. Looked at the UMPA (phonetic) model,
16 looked at some OSHA recommendations, looked at some
17 other mining, some MSHA recommendations for FTE ratios
18 to full-time employees.

19 Amtrak has approximately 22,000 employees.
20 So a system safety department of 23 employees, we felt
21 at the time, was not capable of providing the level of
22 programmatic support that the organization would need
23 to accomplish its future goals.

24 We put together a five-year staffing plan to
25 address what we felt were gaps in both abilities and

1 capabilities of the department. I.e. training and
2 analytics.

3 There were no prior positions in the
4 department that were dedicated to that. Passenger
5 safety as well. We're a passenger railroad, we felt
6 that we needed someone dedicated full-time to passenger
7 safety.

8 We put together, within the five-year plan,
9 Step 1 of the five-year plan was the centralization.
10 That was to occur in 2014. And that was fully
11 executed.

12 All employees with primary safety
13 responsibilities and safety in their title were all
14 moved under the system safety organization. That
15 resulted in a net increase of about ten to 12 heads,
16 from the original 23.

17 And then between the beginning of the
18 calendar year 2015, and current, we've added additional
19 positions. As I've stated before, in passenger safety,
20 analytics and in training.

21 We are still pursuing additional growth.
22 We're still working to increase the skillsets of our
23 employees. We have some opportunities, given our new
24 training unit, to design and develop in-house training
25 to increase the safety skillsets of a number of our

1 staff.

2 We've been successful in recruiting
3 certified safety professionals. We have also sought to
4 recruit safety experts, not only from within the rail
5 industry itself, but also from within other industries
6 that have a history of effective safety management
7 practices. Such as aviation and defense.

8 MR. FRIGO: In that five-year plan, what was
9 the optimal FTE number, with a full build out?

10 MS. IMPASTATO: We were looking, combining
11 agreement covered positions, which as Mr. Porto
12 discussed would be the safety liaison style positions,
13 and non-agreement positions, managerial style
14 positions, to come up with a final count of roughly
15 100.

16 It's still significantly less than the UMPTA
17 model would dictate. The UMPTA model is one full-time
18 safety employee to a 175 other full-time employees.
19 But we felt that that would create an effective use of
20 Amtrak resources and would enable the department to not
21 only respond reactively to the needs of the
22 organization, but to dedicate enough bandwidth to work
23 proactively to build safety improvements.

24 MR. FRIGO: And you mentioned that Phase 1
25 was to centralize the safety functions into the system

1 safety organization. Were there other phases to the
2 five-year plan?

3 MS. IMPASTATO: There were. Phase 1 was to
4 get everyone co-located. There were, as others have
5 stated in their interviews, over the years at Amtrak
6 there have been a number of different iterations
7 relative to titling and position responsibilities.

8 There were a lot of folks that had safety in
9 their title that may not have been performing core
10 safety functions. They may have been performing
11 supervisory functions that clearly have a safety
12 impact, but they're not practicing within the system
13 safety discipline.

14 So after we had everyone with safety in
15 their title co-located, we started looking at the
16 position descriptions of other positions that may not
17 have had safety in their title to determine whether or
18 not it made sense for those positions to either undergo
19 a change of titling or integrate into the system safety
20 department.

21 The next phase of that, once we had all
22 safety functional, as well as titled folks in one
23 department, was to conduct a gap analysis and skills
24 assessment of our staff.

25 Safety, by virtue of it being decentralized,

1 had varying degrees of skillsets available. There were
2 employees that had significant skillsets in operation
3 safety, but did not have skillsets in safety
4 engineering.

5 We had employees that had little or no
6 experience with regard to behavior based safety. And
7 employees that had a wide range of prior experience
8 with behavior based safety.

9 One of the things that we started doing with
10 our existing staff was identifying areas for
11 development and opportunities for improvement in skills
12 assessment.

13 We sent a number of our lead safety
14 specialists, and our managers within the department, to
15 external courses to develop skills and knowledge in
16 areas where we felt there were some opportunities for
17 growth.

18 We sent our staff to classes on
19 investigatory technics and evidence gathering. We sent
20 our department to classes regarding industrial safety.
21 We sent to the Transportation Safety Institute courses,
22 relative to emergency management and system safety
23 program development.

24 After, and that's still in progress. We're
25 still evaluating and working to improve skillsets.

1 We've also developed and delivered an interviewing
2 technics course with our employees.

3 We found that there were opportunities to
4 improve the interrogatory skillsets of some of our
5 employees as well as some composition and writing
6 skillset courses.

7 Some of our staff are very competent
8 technical writers and they're not necessarily strong in
9 policy and program development. So we've worked to
10 bring some folks in to assist them in those efforts.

11 MR. FRIGO: Great, thank you. And I just
12 want to go back to some of those earlier terms that you
13 started to talk about. SMS, safety management systems,
14 and SSPPs, system safety program plans, and then
15 process improvement.

16 And I'll ask you to answer this question
17 following an SMS framework. And I really want to
18 understand what the current state of system safety is
19 at Amtrak.

20 And what I mean by that is, what are the
21 polices, what are the programs and then what are the
22 assurance mechanisms and then how is all that promoted
23 to employees?

24 MS. IMPASTATO: If I were to offer a
25 singular descriptor of Amtrak's safety management

1 systems, I would utilize the term evolving. Amtrak's
2 polices, some of which have a lengthy institutional
3 history, are currently undergoing an evolution.

4 We are beginning to move away from the
5 paradigm of a prescriptive approach to safety, for
6 isolated system elements, towards a systems approach to
7 safety. Where we look at the components of the complex
8 system that is our railroad and how they interact with
9 one another.

10 We're working to incorporate, as one of
11 those elements, the human element. And we're working
12 to take our policies and evolve them from a wrote
13 dictatorial statement of requirements towards a more
14 accessible, more implementable, more easily
15 understandable means and methods for employees to know
16 what expectations are of them.

17 With regards to our programmatic approach,
18 Amtrak has had a system safety program, since 2006.
19 The program predates my tenor at the corporation. It
20 was developed in accordance with the APTA standards,
21 which are volunteer consensus elements.

22 The system safety program plan does adopt
23 some alternative practices to the APTA standards.
24 Primarily in the hazard risk management portions of the
25 APTA standard.

1 We have utilized risk based, both
2 quantitative and qualitative hazard assessment
3 practices, on a limited basis.

4 We are working towards educating our work
5 force to understand, utilize and adopt a risk based
6 approach towards hazard management. Again, that's
7 evolving.

8 We have utilized risk based approach in
9 quantitative analysis, with regard to major projects,
10 the high speed rail project, the procurement of the
11 next generation equipment, as well as a procurement of
12 the new ACS 64 electric locomotives, had all undergone
13 a rigorous safety analytical process. That included
14 risk based hazard assessment, failure modes and effects
15 assessment, system integration testing, as well as a
16 full safety certification.

17 We're utilizing those major projects as the
18 model homes, if you will, of the programs that we will
19 develop and deploy at the system level. By virtue of
20 the prescriptive system requirements 49 CFR Parts 200
21 through 299, we're assured that our minimum compliance
22 with those requirements will present an acceptable
23 baseline level of safety.

24 So we don't have a status quo issue, as an
25 organization, as a system, with serious safety concerns

1 or lapses. We're looking to improve and build and
2 leverage a systems approach to increase the baseline
3 level of safety to reduce our global risk.

4 As I said, that's a process and it's
5 evolving. We have offered written guidance. Risk
6 based hazard assessment is not only a science, it's
7 also a bit of an art. And it's something that doesn't
8 necessarily come easy to everyone in the workforce.

9 I think there's an intuitive level of
10 familiarity, but to formalize it in the use of tables
11 and probability charts and failure modes and effects is
12 far in to some. So we're working to, while developing
13 strong programs and procedures, we're also working to
14 upscale and up level the knowledge and understanding of
15 our workforce.

16 With regard to our safety assurance efforts,
17 we have a rigorous program for critical self-
18 assessment.

19 One of the things we've worked to build
20 within the system safety department, we created an
21 inventory of what we considered to be high risk, high
22 consequence activities. Activities such as working at
23 heights, activities such as welding, working with high
24 voltage electrical apparatus.

25 Those activities we have, and are

1 continuing, to develop a series of control
2 accountabilities with regard to the reduction of risk
3 and the management of those hazards.

4 We've given to each of the facilities some
5 training relative to what the controls are in place to
6 prevent any unacceptable risks. And we have put
7 together a program, we're rolling it out this fiscal
8 year, for critical self-assessment and certification at
9 each facility or operation.

10 The critical self-assessment will follow a
11 checklist model. And the responsible Amtrak official
12 for each facility will self-certify that they are in
13 compliance with the requirements for risk reduction in
14 those specific activities.

15 Once we receive the self-certifications, the
16 system safety department will apply a sampling
17 methodology to determine which areas we're going to go
18 out and field verify, relative to the efficacy of those
19 controls.

20 We're utilizing the analytics group that we
21 have to identify high priority areas where we want to
22 provide field verification levels.

23 We're also working to procure the services
24 of the third party vendor, who will perform independent
25 programmatic level assessment of key safety policies

1 and programs.

2 Independent of those efforts within system
3 safety, Amtrak has employed a management controls
4 framework. We refer to that as MCF.

5 That's an independent risk management
6 process. And by risk there I don't mean safety risk, I
7 mean enterprise risk, which also encompasses safety
8 risk.

9 The management control frameworks process is
10 wholly independent of system safety. So that offers us
11 an independent assessment of the efficacy of our safety
12 assurance efforts and the programs and policies that we
13 have in place.

14 And with regard to promotion and
15 communication, we recognized in 2014, as we put
16 together the plan for growth and development of the
17 system safety department, that one of the key concepts,
18 relative to determining the success or failure of the
19 departments growth, would be, how effectively we
20 communicate with our employees.

21 One of the positions in our organization
22 that was critical for us to fill, was the director of
23 policies programs and regulatory initiatives. That
24 position is responsible for the development and
25 implementation of a communications plan.

1 The communications plan identifies
2 recipients, target audiences if you will, for safety
3 related communications, as well as effective means and
4 mechanisms to relay those messages to the employees.

5 So we've been utilizing a number of
6 different media. And again, we're evolving and
7 growing. We've put together videos, we have poster
8 campaigns, we've had mailings, we have bulletins and
9 regular messages that go out.

10 We've developed a system safety email
11 account that is a shared account that the directors of
12 safety oversee. We've promoted that email account to
13 employees, so if they have a question or a concern that
14 they would like to raise, they can send it.
15 Confidentiality is assured, with regard to the system
16 safety email account.

17 We also have an 800 number that employees
18 can call to report any safety issues, questions or
19 concerns that they have. They're welcome to do so
20 anonymously.

21 We are working closely with our confidential
22 close call reporting systems group to further
23 promulgate our C3RS efforts and to advertise the
24 actions of the peer review teams.

25 Lastly we're working to improve our safety

1 culture with our behavior based safety initiatives. In
2 2009 Amtrak sought the services of an industry leading
3 contractor to conduct an assessment of Amtrak's safety
4 culture.

5 Based upon the outgrowth of that assessment,
6 there was a peer-to-peer intervention program that
7 Amtrak implemented. It was referred to as the safe to
8 safer program.

9 That program essentially creates an avenue
10 for employees to observe and offer guidance and
11 feedback, relative to behavioral practices, with regard
12 to safety.

13 And we've found that having that avenue has
14 assisted us in terms of getting a message of a positive
15 and proactive safety culture, throughout the
16 corporation. It's something that we're continuing and,
17 again, evolving.

18 MR. FRIGO: And thank you for that, that
19 explanation. And for those that will read this
20 transcript, the complexities and the fact that I keep
21 hearing from you, transformative and evolving, to me
22 that means that this is not easy. And that there are
23 challenges to accomplishing whether it be a policy of
24 program, an assurance initiative or even a promotional
25 initiative.

1 And again, sticking within those four areas
2 of interest, what are some of the challenges in, you
3 know, 2014 and now we're in 2016 and we're approaching
4 2017. I know this is a tall task, but you've been at
5 it for a little bit of time, so what are some of those
6 challenges that have been encountered?

7 MS. IMPASTATO: Well I can say that if there
8 easy I would not be interesting in doing it. That
9 being said, I think the largest challenge that the
10 system safety department faces, in terms of improving
11 the state of safety at Amtrak, is that we are in a
12 position where we need to influence, without formal
13 authority.

14 The system safety department is a member of
15 the operations department. And as such, we can only
16 influence, or seek to influence, the actions of
17 operations department.

18 As far as the challenge we've faced, we've
19 had to overcome a lot of misperceptions, relative to
20 the growth of the department.

21 A lot of the institutional identity for
22 safety has been linked to employee operations safety.
23 The other aspects of a systems approach to safety,
24 safety engineering, safety assurance, while they've
25 been integrated in a prescriptive approach, that

1 concept is somewhat foreign to a majority of the rail
2 industry.

3 And kind of moving folks away from the
4 emblematic aspects of safety, the PPE where's your hard
5 hat and glasses aspects of safety, towards the
6 planning, towards a systems approach, has been a
7 challenge. And that's been a challenge for us to
8 attempt to influence and alter processes, relative to
9 the role of safety in those processes.

10 It's been a bit of an evolution to move
11 safety into the other phases of the life cycle. We've
12 had some significant success. It was not easy.

13 But we've had some significant success with
14 regard to incorporating system safety concepts in, at
15 the conceptual and design phases of major projects.

16 I'm thrilled to say that now we've
17 progressed from a cultural standpoint towards, here's a
18 finished product, safety take a look at it and tell me
19 if there's a problem to, I'm conceding of developing a
20 project or working on a procurement, safety please come
21 to the table and work with me when we're doing our
22 requirements analysis.

23 We're certainly not 100 percent at the
24 implement therein, but that has been a struggle.

25 We also struggle relative to resources and

1 resource allocations. We are a smaller department.
2 And Amtrak has had a succession of events, both
3 internal and industry events, that have resulted in an
4 excessive workload for some of our folks.

5 The Northeast Corridor is massive. The
6 Northeast Corridor supports the economic engine of
7 eight states in the Northeast. And in terms of
8 staffing levels, there is one director and four lead
9 safety specialists.

10 So to attempt to implement programs has been
11 difficult. We've been working to grow and to develop
12 additional capacities in order to support the needs
13 based upon the density of our operations.

14 Resources are an issue. It's difficult to
15 procure advance software speeds. We work with a lot of
16 legacy systems. It's no secret that Amtrak is 40 plus
17 years old, but the Northeast Corridor itself is over a
18 hundred years old.

19 There are systems that were designed by
20 brilliant minds over a century ago and the
21 documentation isn't there. Trying to just appose
22 modern technology with really based signal systems
23 presents a challenge.

24 Looking at some of the safety systems that
25 we would like to deploy requires a migration of some of

1 the current platforms that we've had in place for a
2 number of years. And all of those concerns, all of
3 those actions require dedicative resources. So that's,
4 I would say, one of our challenges.

5 MR. FRIGO: So am I to understand that the
6 resource, the financial allocation is the main
7 challenge or their, you know, we've heard in other
8 interviews, and you've been part of those interviews,
9 that sometimes departments at Amtrak don't work
10 together. And that people stay in their lane.

11 Is it just resources or is that an issue?
12 Is the organization and the structure, is that also an
13 issue to achieving what was laid out in 2014?

14 MS. IMPASTATO: The organization has evolved
15 in tandem with the realignment of the system safety
16 group as well. There was an institutional history of a
17 very strong segmentation, almost a bifurcation if you
18 will, of efforts between operations and maintenance.
19 And then there were supported organizations.

20 Amtrak had the foresight to recognize that
21 that was not an ideal state. And they sought to
22 reorganize and make changes in 2013 that would allow a
23 greater degree of collaboration that would reduce a lot
24 of the siloing.

25 I certainly will not say that the silos

1 don't exist today, but I will say that they're not
2 nearly of the magnitude and scope at which they were
3 when we put together the plan in 2014.

4 I think centralizing the safety department
5 helped with that effort. Centralizing the safety
6 department reduced the go it alone relative to safety
7 management. This is mechanical safety policy and this
8 is what mechanical does.

9 Now there's a systems approach to safety and
10 how mechanical safety efforts interface with
11 transportation, interface within structure. We're
12 starting to evolve and grow.

13 I think that it remains something that we
14 need to be diligent to ensure that the walls that we've
15 demolished are not rebuilt. But I certainly think that
16 we're at a better state today than we were in 2014.

17 MR. FRIGO: And what would you say the
18 greatest challenge is to achieving the goals set out in
19 that five-year plan?

20 MS. IMPASTATO: I think the greatest
21 challenge that we face is no different for system
22 safety than it is for any other department at Amtrak.

23 The only thing constant at Amtrak is change.
24 And change is disruptive and change can be distracting.
25 As administrations and leadership changes at Amtrak,

1 the continuity of the approach varies and changes.

2 And I think the challenge that we face is,
3 as we face change, from both internal shuffles and
4 external effects, Amtrak is politically funded. Amtrak
5 receives funding from an external source.

6 It's difficult to establish multi-year
7 significant capital project investments without knowing
8 that you're going to have a consistent funding source.
9 So I think that issue is an enterprise issue.

10 And at the micro level, system safety
11 struggles with that as well. That the allocation of
12 resources varies from year-to-year, based on external
13 pressures. And we're forced to deal with that
14 internally. And I think that creates a lot of
15 necessity for ingenuity and that curtails efforts to
16 create broad sweeping, multi-year initiatives.

17 MR. FRIGO: Theresa, thank you for that
18 excellent, informative explanation on the history of
19 system safety at Amtrak and bringing this from where
20 you were before your time and the decentralized
21 groupings into the current day. I'm going to pass my
22 baton off to my left.

23 MR. STEARN: Thank you, Theresa. You spoke
24 of your direct reports and you referenced a safety
25 training group. Could you advise, to a layman such as

1 myself, what is that all about? What is a safety
2 training and what do they do?

3 MS. IMPASTATO: Certainly. I have a
4 director of safety training. The director of safety
5 training has five master trainers that report to him.

6 He is responsible for the design and
7 development of safety related training courses. So
8 training, and these are for the enterprise, not for
9 individual departments.

10 So training course is relative to things
11 like respiratory protection, hazardous communication,
12 lockout/tagout, confined space entry.

13 Given the former decentralized safety
14 efforts, we discovered that there were a number of
15 alternatives relative to safety courses. That
16 mechanical had a fall protection course, engineer had a
17 fall protection course. That there was a fall
18 protection course in human capitol.

19 And the safety training group is going to
20 serve as the system integrator for all of those
21 desperate training efforts. They're going to develop
22 the standard platforms using instructional system
23 design methodologies to assess the efficacy of the
24 delivery of training.

25 They're going to design and develop core

1 safety curriculum. They'll be putting together
2 multiple means of training, not just formal classroom
3 training.

4 They'll be working with the subject matter
5 experts in the department to design and develop on the
6 job training, as well as evaluative exercises for
7 skills development, as required under 243. And they're
8 also working to put together a modular approach to
9 safety management concepts, for Amtrak employees.

10 One of the gaps that we identified in 2014
11 was the new hire experience. When an employee is hired
12 to Amtrak, dependent upon the department that they
13 enter, they will have a different new hire experience.

14 One of the things that we're working at is
15 to create a standard platform relative to safety
16 messaging. We think that that is critical in the
17 establishment of our effective safety culture.

18 We want all employees to know, from the
19 moment they set foot on Amtrak property, that safety is
20 this corporations number one priority and that these
21 are the avenues available to you for information and
22 education. These are ex officio, the groups and
23 positions that can help you, and these are the training
24 programs that are available to you.

25 The safety training crew put together a

1 letter, from the CEO, that goes to all new hires in
2 their package. It introduces them to Amtrak, as a
3 corporation, establishes safety as Amtrak's number one
4 priority. And at the 30,000 foot level, gives them a
5 primer on what they can expect in the weeks and months
6 to come, with their new hire experience.

7 We're now working on a CBT for both a new
8 hire employee and a supervisor employee. That will
9 give them a supervisor's guide to safety and a new hire
10 guide to safety.

11 It will explain to them what you need to
12 know, relative to safety management, goals, objective,
13 avenues. What to do if there's an incident,
14 appropriate incident reporting.

15 And for supervisors, what your expectations
16 are, what Amtrak's expectations are of, you, as a
17 supervisor. And to whom you can reach if you have any
18 questions.

19 MR. STEARN: Thank you.

20 MR. WALKER: Yes, I have one. One question,
21 are you qualified in the (indiscernible) regulations?

22 MS. IMPASTATO: I am.

23 MR. WALKER: Have you taken the initial
24 course and do you keep current with the annual
25 refresher courses?

1 MS. IMPASTATO: I do. I took the new hire
2 course in 2011. And the last date that I took the
3 annual refresher course was December of 2015.

4 MR. WALKER: Okay. It was mentioned that it
5 was a consensus to remove the SSD rule from the manual.
6 Did anybody whose, say qualified on that, convey to
7 your attention that moving the SSD rule from the manual
8 sort of got into the violation of the federal
9 regulations?

10 MS. IMPASTATO: I was not a member of the
11 committee in 2014 when that was done. That was done
12 when the committee was still part of engineering. That
13 book was released in July of 2014 and the engineering
14 safety department moved into system safety in August of
15 2014.

16 MR. WALKER: Okay.

17 MS. IMPASTATO: That being said, I was not
18 made aware of any questions, concerns or issues with
19 the removal of that.

20 MR. WALKER: Okay, that's all I have.

21 MR. HIPSKIND: Thanks, Fran.

22 MR. HILL: Hi, Theresa. One quick question.
23 It's really in regard to the overall, you've been here
24 and witnessed a whole lot of testimony throughout this
25 entire process and also (indiscernible). And you and I

1 was part of (indiscernible) and also Vermont.

2 From my perspective, (indiscernible),
3 including this investigation, with regards to job
4 duties, the conductors and engineers seem to have a set
5 protocol with regards to their job functions incurred.

6 Each incident that I've been a part of, the
7 testimony from each crew member has been the exact same
8 with regards to the job briefings and they take it
9 extremely serious. Why is it such a difference with
10 regards to the job experiences?

11 MS. IMPASTATO: So if I understand your
12 question, you're asking me, what is the difference in
13 approach to job briefings between the engineering
14 department and the transportation department?

15 MR. HILL: Yes.

16 MS. IMPASTATO: I don't know exactly what
17 the differences are from a quantitative standpoint.
18 The engineering department has a job briefing
19 guideline. It is taught and instructed. The
20 importance of job briefings is emphasized through
21 multiple mediums.

22 The job briefings are formulaic in that they
23 have a briefing guidance sheet that annotates ever
24 element, critical to the safety of the job. And it is
25 expected that employees will go through and process all

1 elements of that briefing.

2 As to whether or not that happens with the
3 same degree of regularity or diligence of the
4 transportation department, I'm certainly not qualified
5 to make that assessment with engineering.

6 MR. HILL: Thank you. That's all I have.

7 MR. BEATON: Good afternoon, Theresa. I
8 guess I probably ought to start out by offering my
9 perfunctory apology for being enthusiastic.

10 MS. IMPASTATO: None necessary.

11 MR. BEATON: I'm certainly not intending
12 anything to be a reflection on personal activities or
13 skills.

14 I heard you describe, what I'll call a rich,
15 and I wrote it down in my notes, a rich set of safety
16 initiatives. You have a broad spectrum of activities
17 going on in your office that barely covered the
18 waterfront. And I also heard you describe your
19 characterization of Amtrak safety culture as evolving.

20 And for me the word evolving sort of
21 conjures up a timeline. It starts from kind of an
22 innocent new beginning to some point we're
23 decommissioning these old antiquated systems.

24 And where along that evolutionary timeline
25 would you put Amtrak?

1 MS. IMPASTATO: I would say we're
2 experiencing a renaissance of sorts. The rail industry
3 in general, from a historical perspective, had the
4 makings of a high performance organization, a higher
5 liability organization, where there was a culture
6 dedicated to risk elimination and risk reduction.

7 And as I stated earlier, I am continuously
8 impressed, and I'm endlessly respectful of the minds
9 that designed these systems a hundred years ago. Given
10 the technologies that were available to them.

11 There's some elegance in the design of
12 railroad operations, railroad signaling and just
13 general rail concepts.

14 I think the initial culture that
15 complemented those designs was one of resilience. And
16 I think the initial culture that complemented those
17 designs was of necessity. Very diligent with regard to
18 a continued resolution to comply with the rules and
19 requirements of the system.

20 I think that there was, at a universal
21 understanding, that the rules and administrative
22 controls that were used were the last line of defense.
23 There was not a technology in place that would prevent
24 a mishap from occurring.

25 And I think by virtue of that culture

1 established in the early 20th Century, in the hay day
2 of the rail system, the railroad industry had
3 tremendous success relative to its operations. As
4 service dwindled, you saw a departure of minds that
5 took a systems engineering approach into other
6 competing modes of transportation.

7 You saw a departure into aviation, you saw a
8 departure into defense. And I think the rail industry,
9 in general, lost touch with some of the cultural
10 aspects of a high performance, high reliability
11 organization.

12 And by virtue of the legacy of the brilliant
13 decisions made to one to two generations prior, I think
14 there developed a bit of a cultural malaise, if you
15 will. I think there developed a normalization of
16 deviation in efforts and mindsets in the rail industry.

17 And I think in the late '90's, through
18 today, we've, we've as an industry, not just Amtrak,
19 have experienced both a tremendous growth and
20 opportunity to apply technological solutions to
21 longstanding problems, but also have had some very
22 significant catastrophic accidents and incidents.

23 And I think that we're now undergoing a bit
24 of a renaissance. A bit of a drifting back towards
25 that high performance, high reliability culture. That

1 we're seeking to utilize modern technologies to reduce
2 opportunity for risk and are working to bracket them by
3 improving safety culture.

4 And I think that's a bit of a challenge,
5 given that employees in the rail industry are not
6 transient. Employees in the rail industry are
7 incredibly dedicated.

8 And employees in the rail industry work the
9 duration of their careers in this industry. You don't
10 work in rail for a year or two and then move to another
11 industry. You might move agencies, but for the most
12 part, you're here for life.

13 And I think part of the evolution that we're
14 undergoing is going back multiple generations to start
15 re-energizing that systems approach. To start re-
16 energizing the human factors element and to start
17 reemphasizing the importance of programmatic assessment
18 or critical self-assessment of not normalizing
19 deviation of diligence and consistent resilience.

20 So I wouldn't say that there's a bad culture
21 that needs turnaround, I would just say that it's kind
22 of an evolution, or a revolution if you will. It's
23 reiterative.

24 MR. BEATON: So I appreciate that answer. I
25 guess my take away from it, because the question was,

1 where along the scale are you. I don't hear that
2 you're at the beginning of the sale. I don't hear that
3 you're ready to decommission everything, go do the
4 hyper loop system.

5 So I would say that you're probably fairly
6 well into this transformative institutional change,
7 okay. And then it sounds to me like you've got, in
8 your office and above you, because I assume everything
9 that you're doing is got top cover from managements and
10 pretty progressive visions of how things should be.
11 Okay.

12 Ryan kind of characterized, or made a
13 request, that you characterize things in terms of SMS.
14 And one of those pillars is promotion.

15 You don't seem to have a problem with the
16 vision. You don't seem to have a problem with knowing
17 where to target the resources. Am I hearing that
18 there's a problem promoting some of these initiatives,
19 throughout the institution, to the workers?

20 MS. IMPASTATO: I wouldn't characterize it
21 as problematic.

22 MR. BEATON: Okay.

23 MS. IMPASTATO: But if I were to assess the
24 strength of each of the pillars, I would say that that
25 is probably the weakest.

1 MR. BEATON: Okay.

2 MS. IMPASTATO: It is the most challenging
3 in terms of getting a message that is relatable, that
4 is understandable, that is clear and that is
5 communicated to all. It's been difficult. We've
6 gotten better, but we certainly have a ways to go.

7 MR. BEATON: One of the safety promotions
8 that I've had the opportunity to come familiar with is
9 offered by a consulting company. And they label it in
10 a way that I remembered. It's called, beyond zero.

11 Meaning, let's not just drive accidents down
12 to zero, but let's go beyond zero with the implication
13 being that safety initiatives that I participate in at
14 work give me some value, give me some education, allow
15 me to internalize that so then I can take them home
16 with me and follow some, maybe PPE at home cutting the
17 lawn or something. Because it works at work and I've
18 learned there some value.

19 Do you have visions for trying to integrate
20 the safety initiatives into the lifestyles of the
21 workers that is in the spirit of a beyond zero type of
22 program? Has that been one of the things that's been
23 talked about?

24 MS. IMPASTATO: Absolutely. Amtrak has a
25 wellness group --

1 MR. BEATON: Okay.

2 MS. IMPASTATO: -- in our human capital
3 department. We work closely with them.

4 We've worked to develop and implement
5 critical incidents stress plan to work with the
6 employee assistance program.

7 MR. BEATON: Okay.

8 MS. IMPASTATO: And to also work to develop
9 elements of a true wellness program. Incorporating
10 some core safety concepts of course and encouraging
11 people to have the same level of diligence in their
12 personal life that they have and their professional
13 life.

14 And we've worked to personalize the message.
15 In some of our leadership training we've worked to kind
16 of draw the connections and the parallels between what
17 you do at home and what you do at work. And your
18 tolerance for risk in both ventures, in both venues.

19 So the answer to your question is yes. As
20 far as the maturity of that, I would say it's beyond
21 the incipient phases, but it's still foundational.

22 MR. BEATON: Okay. Okay. So just one last
23 question. If I ask you to kind of characterize the
24 state of maturity of safety culture at Amtrak, at
25 different levels of the company, you know, senior

1 management, middle management, the point of despair and
2 groups on the ground, workers, the crafts, could you
3 just give me a quick summary of where you think the
4 maturity level of safety culture is across the
5 organization?

6 MS. IMPASTATO: Absolutely. However, I'd
7 like to preface this by stating that I don't have a
8 significant data population --

9 MR. BEATON: Okay.

10 MS. IMPASTATO: -- to make this
11 quantitative, so this is purely my qualitative
12 assessment.

13 MR. BEATON: That's great. That's what we
14 need.

15 MS. IMPASTATO: Based upon the antidotal
16 evidence and my personal experience, I have seen a
17 significant dedication to safety at all levels in the
18 organization. I have not seen a level of the
19 organization at Amtrak that is dismissive of safety. I
20 believe that everyone is rationally self-interested in
21 the promotion of effective safety practices.

22 MR. BEATON: Okay.

23 MS. IMPASTATO: I think by virtue of the
24 perspectives of varying levels at Amtrak, I think there
25 is a bit of a skewed, limited and/or keyhole

1 perspective that each level of the organization has.

2 I think that the organization, closer to the
3 work, the line or ballast level, if you will, I think
4 that their perspective is somewhat limited relative to
5 the decision making process and what goes into the
6 decision making process. Why certain decisions are
7 being made.

8 And I think that to compliment or to mirror
9 that, at the upper echelon of the corporation, I think
10 that there's also a somewhat limited perspective
11 relative to the understanding, at the ballast level, of
12 the decisions that are being made.

13 And I think that's been identified, both
14 internally and through external query, as an avenue for
15 improvement. Again, that safety promotion pillar.

16 MR. BEATON: Okay. That's it for me. And
17 so I just want to thank you. It certainly resonated
18 with me when you made the comment that you're working
19 diligently to improve the safety skills of the staff.
20 That resonated well with me. Thank you.

21 MR. HIPSKIND: This is Dick Hipkind. I get
22 the thing, Theresa, I get the thing about the evolution
23 or revolution. And I just want to get your thought.
24 Are you evolving on an existing model, are you evolving
25 designing a new one or are we trying to replicate on of

1 yesteryears?

2 MS. IMPASTATO: I would say that it's
3 iterative, but differentiated from the past. And I
4 don't mean to give a cryptic answer.

5 We're not repeating the past, but there were
6 solid elements of the system, from a cultural
7 standpoint, from a perspective standpoint, from a
8 prioritization standpoint, that we're working to
9 recapture.

10 As far as the differentiation therein, we're
11 in a different climate, in a different environment. We
12 have tools available to us that were not available back
13 then.

14 We have advance systems analytics, we have
15 ergonomic options that were not available back then.
16 We have opportunities for increased training. And our
17 workforce is different.

18 The workforce we face today is not the same
19 demographic of the workforce that was in the rail
20 industry a hundred years ago.

21 MR. HIPSKIND: So new and improved?

22 MS. IMPASTATO: Yes, new and improved.

23 MR. HIPSKIND: Okay. All right. And I
24 don't think it's lost on any of us that to achieve this
25 evolving new and improved, training is a big part of

1 that, true?

2 MS. IMPASTATO: Absolutely.

3 MR. HIPSKIND: Okay. And one of the things
4 I hear you, when you gave some numbers about where the
5 number of people were at several years ago, and I wrote
6 them down, and it seemed to me that in a few years,
7 after this new committee to safety, I wrote down, the
8 number of people have doubled. And then as I listened
9 to you give a long answer, it sounded to me like,
10 sometime in the near future, some of the goal is to
11 have that number, the current number, double again.

12 MS. IMPASTATO: That's correct.

13 MR. HIPSKIND: Okay. So is it fair to say
14 that one of the things that you see happening with the
15 safety department is greater interaction in all
16 departments, at all levels?

17 MS. IMPASTATO: Absolutely.

18 MR. HIPSKIND: More so than right now?

19 MS. IMPASTATO: Absolutely.

20 MR. HIPSKIND: And that's by thought and
21 design, and as a goal?

22 MS. IMPASTATO: Yes.

23 MR. HIPSKIND: Okay.

24 MS. IMPASTATO: We are constrained by the
25 current ratio of full-time staff to the number of

1 Amtrak employees.

2 MR. HIPSKIND: Okay.

3 MS. IMPASTATO: And we're going to address
4 that by virtue of increasing the departments prevue.

5 MR. HIPSKIND: All right. And I've got
6 limited time, but I want to self-limit myself here. We
7 talked yesterday about a fall protection. And we were
8 kind of jumping around the place.

9 There's Part 214, fall protection, when
10 workers are on a bonafide bridge structure. And we
11 were talking about the challenges of fall protection,
12 et cetera.

13 So can you go back and dial us in on how
14 long this challenge has been going on and talk about
15 OSHA and just get us a little bit more clarified then
16 where we left off yesterday.

17 MS. IMPASTATO: Okay. As I stated earlier,
18 and all of you know, the Northeast Corridor is a legacy
19 system. The Northeast Corridor was electrified
20 approximately a hundred years ago.

21 The electrification of the Northeast
22 Corridor required various structures to be built.
23 Those structures predated OSHAs prescriptive fall
24 protection requirements. Those structures are catenary
25 mast and signal bridges.

1 We currently have today, on the Northeast
2 Corridor, 100-year-old structures that support our
3 wires and that support our signaling system.

4 In 1978 the FRA issued a policy statement
5 preempting OSHAs fall protection requirements along
6 railroad right of way and in railroad facilities. That
7 policy statement preempted the OSHA regulations for
8 fall protection. Specifically pertaining to signal
9 bridges, signal mast and catenary structures.

10 The FRA did not promulgate an equivalent
11 prescriptive fall protection requirement for those
12 specific structures. The FRA did promulgate a fall
13 protection standard relative to bridge worker safety.
14 Their bridge definition was very specific and does not
15 include overheard structures, such as signal bridges or
16 catenary masts.

17 The main issue, that was eluded to
18 yesterday, was that by virtue of the age of the
19 structures, Amtrak is not able to retrofit some of the
20 signal bridges and catenary masts to provide fall
21 protection systems that would meet these standards
22 established under the OSHA regulation, regardless of
23 the fact that the OSHA regulation does not apply.

24 MR. HIPSKIND: Weakness of the structure to
25 decelerate or break somebody's fall?

1 MS. IMPASTATO: Correct. The structures are
2 sound, for their intended purpose. To hold up a signal
3 head, to hold up catenary. But they are not
4 structurally sound to support a 5,000 pound anchorage
5 point for personal fall arrest system. They require
6 either significant rework or replacement.

7 By virtue of the hundred years that have
8 lapsed, since the electrification project, there were a
9 number of structures that were added. Between the
10 initial electrification and currently today.

11 We do not have a singular design for signal
12 masts, signal bridges or catenary structures. There's
13 a series of designs, made based upon the era of the
14 installation and the technologies and building
15 materials available.

16 All newly constructed and installed catenary
17 structures, signal masts and signal bridges, have
18 incorporated passive fall protection systems. Caged
19 ladders, effective railings. There's no need, in any
20 newly installed structure, for an active fall
21 protection system. The use of a vertical or horizontal
22 lifeline or personal fall arrest system.

23 We did an inventory, and Matt spoke briefly
24 about it earlier, relative to the existing structures.
25 Any structure that was structurally capable of

1 retrofitting has been placed into a capital project for
2 retrofit. For vertical or horizontal lifelines and/or
3 railings to be installed to obviate the need for an
4 active fall protection system.

5 We have identified structure that we are not
6 able to retrofit. The structures that we're not able
7 to retrofit have an interim safety mitigation in place.

8 MR. HIPSKIND: From --

9 MS. IMPASTATO: The safety mitigation for
10 those structures are that they are not to be ascended
11 or descended directly. That they are to utilize the
12 bucket truck to access the structure.

13 So in short, this is a hundred-year problem
14 that will require a multifaceted, multi-year solution.
15 We're not going to replace ever existing structure
16 overnight. So we're doing the most we can to ensure
17 the safety of our employees.

18 MR. HIPSKIND: But the key change was, what,
19 1978? Was when, essentially, OSHA got out of the
20 business of coming on the property for these kinds of
21 occupational things.

22 MS. IMPASTATO: OSHA never came on the
23 property for those things. When the policy statement
24 was issued by FRA in '78, it preempted OSHA for coming
25 on the property.

1 MR. HIPSKIND: Okay. All right. That's all
2 I have, Theresa. Thank you very much.

3 MR. FRIGO: Theresa, we're all here today
4 because of the accident at Chester. And I'd just like
5 to give you an opportunity to talk about, from your
6 perspective as the deputy chief safety officer, what's
7 Amtrak done since the accident?

8 MS. IMPASTATO: First and foremost, we've
9 met critically to discuss what we feel are areas for
10 improvement to prevent recurrence.

11 We have immediately issued communications
12 emphasizing compliance with the existing requirements.
13 We clarified the requirements for supplemental shunting
14 devices.

15 We are working to create a prototype
16 supplemental shunting device that would provide an
17 indication, via the use of an LED, of an active shunt.
18 We're currently working with a third party to get some
19 prototypes manufactured for testing.

20 We're also working to develop an overlay
21 system to provide an additional level of redundant
22 protection, with regard to employees that work on the
23 right of way.

24 We've done a best practice sharing visit
25 with both Metro North and SEPTA. They currently

1 employee and enhanced employee protection system
2 (indiscernible) on Metro North. And a work zone
3 protection system on SEPTA that offers a computer based
4 overlay into a supervisory system that essentially
5 serves as the same protection of a supplemental
6 shunting device.

7 It would be entirely passive to the employee
8 in charge. Anytime an out-of-service would be issued
9 from the dispatcher, it would employee, through the use
10 of a secured server, a randomly generated release code.
11 Which would prevent the dispatcher from removal of
12 blocking devices and inadvertently operating a train
13 into an area that was to be protected. We're looking
14 at deploying that system in 2017.

15 We have also worked with our procurement
16 group to identify a third party vendor to conduct a
17 review of our Roadway Worker Protect Manual. To
18 determine if there are opportunities to increase the
19 ability to comprehend, understand and therefore
20 implement the requirements in the Roadway Worker
21 Protection Manual.

22 We are undergoing a full revision of the
23 Roadway Worker Protection Manual. That's both as part
24 of the Train 89 efforts, as well as changes in the
25 regulations.

1 We anticipate that we will have a fully
2 revised RWP Manual in April.

3 We also are working to make significant
4 improvements with our training. System safety has
5 reached out to our human capital training department.

6 And we've requested to partner with them to
7 critically self-assess and evaluate the content and
8 delivery and field exercises relative to the RWP
9 instruction. That's a process that we're working
10 towards with significant revisions anticipated in
11 training, in the next fiscal year.

12 MR. FRIGO: Great, thank you.

13 MR. HIPSKIND: This is Dick Hipkind. I
14 know people have planes and trains to catch, so on
15 behalf of the Investigative Group Specialty Track and
16 Engineering Group, I just extend out personal thanks
17 for everything you've been doing. Let me read four
18 quick questions for you, okay.

19 You have heard these many times. Is there
20 anything you would like to add or change?

21 MS. IMPASTATO: No.

22 MR. HIPSKIND: And are there any questions
23 we should have asked but did not?

24 MS. IMPASTATO: No.

25 MR. HIPSKIND: And do you have any

1 suggestions for preventing a reoccurrence? I think you
2 covered several of them --

3 MS. IMPASTATO: I have.

4 MR. HIPSKIND: -- with your follow-ups. And
5 is there anyone else that we should interview?

6 MS. IMPASTATO: No.

7 MR. HIPSKIND: Thank you very much, Theresa.
8 Oh, excuse me. John?

9 MR. SALVEY: I have no questions

10 MR. HIPSKIND: Okay. Thank you very much.

11 MR. FRIGO: Theresa, thank you again for our
12 time.

13 MR. HIPSKIND: Thank you.

14 MR. FRIGO: We're off the record.

15 (Whereupon, the above-entitled matter went
16 off the record.)

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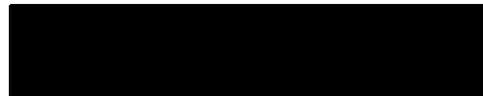
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C E R T I F I C A T E

MATTER: Accident Involving AMTRAK Train #89
April 3, 2016
NTSB Accident No. DCA16FR007
Interview of Theresa Impastato

DATE: 09-08-16

I hereby certify that the attached transcription of page 1 to 57 inclusive are to the best of my professional ability a true, accurate, and complete record of the above referenced proceedings as contained on the provided audio recording; further that I am neither counsel for, nor related to, nor employed by any of the parties to this action in which this proceeding has taken place; and further that I am not financially nor otherwise interested in the outcome of the action.



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