

NATIONAL TRANSPORTATION SAFETY BOARD

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IN RE: :

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THE ACCIDENT INVOLVING : NTSB Accident No.

AMTRAK TRAIN #89 AND MOW : DCA16FR007

EQUIPMENT AND EMPLOYEES :

NEAR CHESTER, PENNSYLVANIA :

ON APRIL 3, 2016 :

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INTERVIEW OF: JOHN PIELLI

Thursday,

August 25, 2016

30th Street Station

2955 Market Street

Philadelphia, Pennsylvania

BEFORE

RICHARD HIPSKIND, NTSB

DONALD HILL, BLET

THERESA IMPASTATO, AMTRAK

STEVE STEARN, BMW

FRAN WALKER, FRA

RYAN FRIGO, NTSB

CHRISTOPHER SCHULTE, FRA

BOB BEATON, NTSB

APPEARANCES:

On Behalf of the Interviewee:

MARK LANDMAN

This transcript was produced from audio provided

by the National Transportation Safety Board.

P-R-O-C-E-E-D-I-N-G-S

(Time not given)

INVESTIGATOR HIPSKIND: Good morning, everybody. My name is Richard Hipskind and I am the Track and Engineering Group Chairman for NTSB for this accident. We are here today on August 25, 2016, at Amtrak's 30th Street Station in Philadelphia, Pennsylvania to conduct an interview with Mr. John Pielli who works for the National Railroad Passenger Corporation or Amtrak.

This interview is in conjunction with NTSB's investigation of a collision of Amtrak Train 89 with maintenance-of-way equipment and employees on April 3, 2016, at Mile Post 15.7 on Amtrak's PW line near Chester, Pennsylvania in Delaware County. The NTSB Accident Reference Number is DCA16FR007.

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

I would remind everybody to speak loudly and clearly enough so we can get an accurate recording. I'll lead off and then pass off to my right. Again, my name is Richard Hipskind. I am the Track and Engineering Group chairman and the spelling of my last

1 name is H-I-P-S-K-I-N-D. And I'll pass off to my right
2 now.

3 MR. HILL: Good morning. I'm Donald Hill,
4 H-I-L-L, Safety Task Force for the BLET.

5 MR. WALKER: Fran Walker, W-A-L-K-E-R. I'm
6 an FRA Track Safety Inspector.

7 MR. SCHULTE: Christopher Schulte, last name
8 is S-C-H-U-L-T-E, Federal Railroad Administration,
9 supervisory safety specialist.

10 MR. STEARN: Good morning. Steve Stearn, S-
11 T-E-A-R-N, party spokesman for the Brotherhood of
12 Maintenance of Way Employees.

13 MS. IMPASTATO: Theresa Impastato, I-M-P-A-
14 S-T-A-T-O, Amtrak Deputy Chief Safety Officer.

15 INVESTIGATOR FRIGO: Ryan Frigo, F-R-I-G-O.
16 Investigator in Charge, NTSB.

17 INVESTIGATOR HIPSKIND: And, Mr. Pielli, if
18 you would put yourself on the record.

19 MR. PIELLI: John Pielli, P, as in Peter, I-
20 E-L-L-I, Amtrak Engineering.

21 INVESTIGATOR HIPSKIND: Okay and, Mr.
22 Pielli, do you mind if we proceed on a first name
23 basis?

24 MR. PIELLI: Yes, proceed.

25 INVESTIGATOR HIPSKIND: Okay, John, do we

1 have your permission to record our discussion, our
2 interview with you today?

3 MR. PIELLI: Yes.

4 INVESTIGATOR HIPSKIND: And do you wish to
5 have a representative with you at this interview?

6 MR. PIELLI: Yes.

7 MR. LANDMAN: And my name is Mark Landman,
8 L-A-N-D-M-A-N, here on behalf of Mr. Pielli.

9 INVESTIGATOR HIPSKIND: Okay, John, and if
10 you're ready can you kind of just give us a synopsis of
11 your work experience and take us up to your present job
12 title and let us know how long you have been in that
13 position please?

14 MR. PIELLI: Kind of going back to the left.
15 I have been working along the northeast corridor since
16 September 1975, when the northeast corridor was known
17 as the Penn Central Railroad. I was hired in as a
18 trackman back in the day.

19 There was main line and back roads. I was
20 hired in on the back roads in South Jersey. Soon
21 enough was promoted to a machine operator on the main
22 line around New Brunswick, New Jersey.

23 I worked in all levels of engineering back
24 in the day we were called track from trackman to
25 machine operator to equipment operator to welder,

1 welder EA, welder butae (phonetic), foreman, A foreman,
2 general foreman, management, general foreman, assistant
3 supervisor, supervisor, engineer of track, production
4 engineer, senior manager of heavy construction be it
5 out of face undercutter, interlock and placements, TLM.

6 Very highly involved three bursts of time in
7 New York City with the reconstruction in periods of
8 time with the special track work in the terminal.
9 Promoted to, the titles are a little different, used to
10 be called a senior engineer of the division. Now they
11 have deputy division engineers.

12 So our titles do change. But to be
13 responsible for up to about 400 people on the division
14 both track and structures. Moved back into the
15 production side of it. Worked on the production side
16 on corridor, off corridor, off corridor local.

17 For example, Lennox City from New Jersey
18 Transit. Inner city out in California, I worked out
19 there. Was promised I would be out there for two weeks
20 and I was out there for three and a half months.
21 Worked in the off corridor I worked in Chicago, New
22 Orleans, Jacksonville, Florida.

23 I was promoted out of New York to senior
24 director of track maintenance for Amtrak which provided
25 me with the different responsibilities. Some of the

1 responsibilities were for system type work, UT testing
2 of rail system wide, contract services system wide,
3 development of our capital plan.

4 In track we have 13 attributes, track, ties,
5 rail, turnouts. There's 13, basically categories that
6 we draw and we develop our capital program. Got, part
7 of that responsibility was to interact with all the
8 divisions nationwide.

9 Helped and coached them with their capital
10 program. Make tough decisions where money was tight
11 that we spent the money in the right place. Got a
12 chance to see America. Probably would have never known
13 that it's dusty and dirty when you go to the other side
14 of Colorado.

15 Back on the corridor got asked to help out
16 as a superintendent of production I would say in 2008.
17 We had a little changeover going on. People were
18 reaching out for some help with some folks that had
19 experience with heavy type of stuff. I was one of the
20 few that were here as Amtrak needed to burst up with
21 the, some of the recovery efforts we had to introduce
22 for our rock and tie problem and things like that.

23 Always involved I say for over 16 years with
24 being the lead in the, our master construction schedule
25 northeast corridor wide. I'm the guy that actually

1 sits with transportation and conducts the arguments or
2 the business decisions on, when we recommend.

3 Although at times we're narrow by nature
4 what our impact is going to be to the operation and the
5 operations on all of the divisions have a systematic
6 way of how they move and maintain the fleet and do the
7 maintenance on the fleet with different departments
8 just to touch base, you know, and more railroaders.

9 As the fleets migrate there's meets where
10 trains pass each other. There's different
11 circumstances where it's a two track main, three track
12 main, four track main, incomplete interlocking center,
13 lockage design for one particular move, universal
14 interlock is to be optioned out for any type of a
15 situation that would be in a stress where normally the
16 fleet, during the day fleet is, you know, you're just
17 running straight.

18 And some interlockings where actually in
19 modern times we put high speed crossovers in to
20 actually exhaust the train quicker off the track and
21 get them out there. So spent some time recently
22 amongst other things, John usually wears two or three
23 hats.

24 I spent a lot of time in New York in the
25 last four years with the very complex planning, amongst

1 other things with the projects we're doing in New York,
2 east side access, East River Tunnel, zero defect
3 program in New York, our successful over three years of
4 work and they just met their final milestone as to
5 Moynihan construction in Penn Station.

6 Brookfield is a developer working there also
7 at the same time. So you kind of put all this in a
8 handbasket. And I was asked to go up there and be the
9 point to make the tough decisions and be fair to
10 everybody.

11 So we acknowledged that with the operation
12 going on in New York and the Acela trains going through
13 New York to New England since we electrified New
14 England to be somebody that can work with
15 transportation, understood the ins and out of how the
16 divisions worked, be able to sit with the external
17 customers which we have 13 commuter agencies.

18 Understand their needs and wants and
19 sometimes define in a tough situation things that we
20 need to be successful to get the job done that will
21 actually impact train operations and the way people
22 normally do things. So I have the strong feeling a lot
23 of people have the confidence in me is that when we go
24 in on these big jobs I'm looking at the delivering
25 point being two or three years down the road.

1 I'm looking at construction schedules. I'm
2 recommending changes. I'm telling developers or even
3 our people, sometimes we have to flatten the schedule.
4 Maybe we're overachieving on paper instead of actually
5 being able to achieve what we can safely.

6 But generally, been in every aspect of
7 engineering in the maintenance side, in the
8 construction side, on the USA side of maintenance and
9 I've worked as a contractor for Amtrak, on Amtrak in
10 California when we were stressed out somewhat. I've
11 been at, I've been involved with the NTSB with certain
12 horrible, catastrophic situations.

13 We used to have a committee here that used
14 to be like a go team like the NTSB. I know I've been
15 with Dick in Flora, Mississippi and other places. I
16 kind of got a general idea how it works.

17 Recently Amtrak leadership came to me and
18 were interested in if I was, what I was going to do.
19 And I'm not ashamed of it. I'm 61 plus. What do you
20 want to do? I said what I want to do is try to get
21 something from in here out to the field at least to
22 leave a little bit more of me here before whenever I
23 decide to retire.

24 MR. LANDMAN: And just for the record,
25 indicate that Mr. Pielli was pointing to his head.

1 MR. PIELLI: A little bit about me, 49 years
2 old I had thyroid cancer. I'm lucky I'm alive. So,
3 you know, I look at my grandkids, things like that as
4 positive.

5 But I also look at the people we have here
6 as, I wouldn't say all of them, but most of them I've
7 had some mechanics of promoting and helping them be
8 mentored and coached so they can be effective. One of
9 the goals that was set in front of me with heavy
10 construction was to try to get the momentum to do more
11 with less impact to operations or truly, John, if you
12 tell us this is what we have to do we recognize that.

13 But we might tell you to move it down the
14 slide left or right so we can understand the impacts.
15 And this is not about safety. This is about how we
16 would work. So to answer some of your questions some
17 of the goals that were thrown in front of us is in
18 engineering what would we have to do being involved
19 with the deputy chiefs, I was acting deputy chief for a
20 while when Mr. Cunningham passed away.

21 What do we have to do with modern technology
22 to be able to sustain a reliable operation at 186 mile
23 an hour? And there was some discussion that I was
24 involved with, with Georgia High Speed Rail. It goes
25 back to the left about what we did for testing for

1 Acela, the situation with strain gauges with two Acelas
2 passing each other in the dead of night up in
3 Davisville at 150 mile an hour.

4 You're smiling so you understand what I'm
5 saying. What it's going to do to the effect of the
6 windows, all that kind of stuff. So globally, round
7 circle we're modifying our speed deck with different
8 block stationing, with different type of signals, with
9 rules that apply to that, with bridge work that needs
10 to be scoped for higher under balance bridges, for more
11 reliable bridges with ballast deck bridge approach
12 signs so it's more stable.

13 Track, how we interact with thermal
14 adjustment of rail, welding processes and protocols,
15 how we would normally build the mechanics of a crew to
16 get the work done efficiently without stressing the
17 crew, least impact to the environment down to how we
18 expect to our contractors to manufacture a concrete tie
19 to a wood tie, to a different type of tie.

20 If we were changing ties how we would modify
21 the TLM safely to be, to put them in as a factory
22 instead of on a single spot situation. One of the
23 goals was, and you work with science it makes me crazy
24 a little bit.

25 But, you know, you'll sit down and people

1 will recognize to a high level, for example, and I'll
2 speak Perryville to Washington along the northeast
3 corridor ride quality is diminishing. What is
4 engineering going to do to improve this?

5 Okay, well to me it's not just throwing
6 money at it. It's doing the science to understand with
7 ground penetrating radar what's underneath in the
8 ballasts. What are the situations that you can't see?
9 Once you get an understanding what that bubble is or
10 what that problem is, the scab it's then how you want
11 to address it.

12 And you have to use the tools that Amtrak
13 provides you. But that doesn't necessarily mean
14 they're the only tools. Sometimes you have to reach
15 out. For our concrete tie program when you run the
16 math, when we did the numbers you do an analysis on the
17 population.

18 The population was telling us that we could
19 predict with a certain level of reliability that we
20 were going to get to a decision point in about three
21 years out if we didn't accelerate. So we brought on a
22 second TLM.

23 We hired a, and trained an entire TLS. I
24 like colors so I called it the TLS Green Team. We had
25 the TLS that was here on the corridor since '78. We

1 built and developed and productively used contract
2 services and our own folks working at all the elements.

3 We were able to change over 200,000 concrete
4 tiles a year on the corridor in a very tough state or
5 working environment. But particularly, between
6 Perryville and Washington where the railroad is at
7 times on the peninsula or the, I would say the dirt in
8 Maryland was very poor.

9 I'm from New Jersey. But what you have down
10 there is you have, you still have a continuance of a
11 mixed operation. You have freight trains, unit trains,
12 coal trains, oil trains. Oil trains in America are
13 big.

14 They introduce a lot of stress dynamics to
15 the railroad. So you start to notice in certain areas
16 that what you do normally, maintenance is temporary and
17 then the temporary gets to be more frequent and then
18 the owners at times have to introduce some heavy work
19 that kind of recovers that life cycle and fixes the
20 railroad in layers.

21 Layers of subgrade ties and rail. Layers of
22 signal cases, signal bridges, block spacing, bridges,
23 bridge decks, bridge approaches, the whole system so to
24 speak. I'm not, I don't consider myself to be an
25 expert on signal or structures.

1 I've managed and introduced heavy work in
2 structures, signal and track. ET has always been with
3 where I'm at being at overhead catenary or in New York
4 which is unusual you have the DC operation with the
5 overhead catenary.

6 But down on the Mid-Atlantic just the noise
7 is telling us because we have autonomous geometry on
8 our trains. We have our geometry cars. We have a set
9 frequency that we report out the statistics to the FRA
10 monthly on certified ones, although we do conduct other
11 runs that help us a little bit.

12 We've been using a spot geometry car, a
13 piece of equipment called the T-save (phonetic) since
14 we purchased it from Conrail I think in 2005 or
15 something like that. And that particularly does a more
16 detailed inspection.

17 It has the ability to test all the
18 parameters and FRA classes of track at a very slow
19 speed where our track geometry car gets a little foggy
20 when it's less than 15. So we're looking at both sides
21 of the parameters and we're also conducting walking
22 inspections.

23 But along the Mid-Atlantic and Chesapeake we
24 have a lot of mud conditions. Now John doesn't know if
25 in fact when he built the railroad down there it was,

1 it is what it is or people took shortcuts.

2 But it's much different than in particular
3 places in New Jersey. I'm around a long time. I've
4 done a lot of work with the forces that I've been
5 responsible for in all assets of track, special track,
6 work bridges.

7 But what we were lacking and it was my
8 recommendation was out of face undercutting, not spot
9 undercutting, out of face, point to point. First
10 challenge that came up to us was in 2005 we had reached
11 a certain threshold, I don't remember exactly what it
12 was but it was a milestone where we improved ride
13 quality and the consistency of holding maximum
14 authorized speed to a certain level.

15 So with that said, we were able to make
16 decisions to spend our money in other places. So at
17 that time in the capital program and our heavy
18 construction program we temporarily ceased out of face
19 undercutting. Time goes by. In my opinion, we made
20 the best decisions with the money we had.

21 We had to resume it. When we resumed it we
22 had, actually in modern times we had the ability of
23 ground penetrating radar which we didn't have ten or 15
24 years ago.

25 And I want to say state of the art but on

1 the northeast corridor it's the first place we've ever
2 taken ground penetrating radar and tied it together
3 like a zipper because you actually make a pass down, if
4 this was a track you make a pass down the track and
5 there was, the radar only has a certain encroachment
6 where it measures.

7 Well we work with scientists and our own
8 people when I was in system track and we were able to
9 tie in, to knit in track to track to track. So if we
10 have three tracks, four tracks and we traverse three
11 tracks we can actually see if there's a pounding
12 situation amongst combination tracks.

13 And what we found along the, in Maryland was
14 we were right. It was there. But we couldn't actually
15 tell before unless we opened it up and when you open it
16 up there's some problems.

17 So that helped us determine the scope of
18 work, the scope of work being whether or not we're
19 undercutting with a standard cut of say 16 to 18
20 inches, whether we're undercutting to drop the profile
21 on a track lower than an adjacent track so we can get
22 the water to run to a ditch. It gave us more fields
23 that we could look at, make it a little more
24 complicated to get the job done.

25 We figured all that out, scope of work,

1 scope of work for out of face undercutting. On the
2 Chesapeake the goal was to have the reliability
3 reinstated to a certain level before 2019 as it's
4 predicted that Amtrak's going to have a new Acela fleet
5 and potentially if the other disciplines can move
6 forward block stationing, bridge work, a whole big
7 package.

8 I was one of the authors that wrote together
9 the job box or to request the RFP for our own sake for
10 ride quality. It went to Washington. I believe it was
11 a \$65 million package that when it all shook out and I
12 don't know everything, but it came back to me as we
13 didn't get the money.

14 So we were asked what can you do with
15 modifying the capital program without a deep affect on
16 maximum authorized speed because that's what happens.
17 There's a sacrifice when you have money is some of the
18 track might have to go to a slower class of track.

19 So what we did, we looked at undercutting
20 tactically and we went back to the left again and we
21 said how do we undercut on an inside track and be
22 productive. Some of the challenges we had was the
23 undercutters we had before Amtrak we used to use Mantis
24 which is now a ramp (phonetic).

25 They had an undercutter that had no shaker

1 box. It used to just undercut the track and cast
2 everything away. And Penn Central used that along the
3 corridor for grade lowering for tri-levels for
4 automobiles.

5 Amtrak bought four undercutters, I believe
6 in the 70s. One is actually sunk in the Chesapeake
7 because it never got here. The boat sunk. But we had
8 three undercutters functioning in how I would say was
9 the TLS from the 70s.

10 The TLS for the 70s was TLM P8-11 and
11 undercutters. It's not as you would know in modern
12 days as a TLS and an undercutter group. But to restart
13 undercutting on the south end we had to use the
14 existing resources that Amtrak has which is an RM-95
15 undercutter which was purchased with the funding that
16 Amtrak was granted for the New England nearer project
17 which was a lot of track lowering under bridges,
18 several bridges and things like that.

19 One of the challenges is that machine can't
20 work in territory that's less than 12 foot 5 track
21 centers. Just the simple design of that RM-95 just
22 doesn't fit. So now we're faced with we're using the
23 resources we have.

24 We don't have the funding to go, or time to
25 go out and purchase another undercutter and we

1 principally here don't look to get a contractor to do
2 the work. We look at what does it take first for us to
3 do the work ourselves.

4 So we started with initially the TLS is out
5 working. So the TLS is out there full blown plowing
6 track, recovering rock and ties. We tweaked that a
7 little bit so the TLS would start with them
8 interlocking.

9 So some of the challenges, you know, when
10 we're in interlocking when can you work when it's off
11 peak. How tight the track centers are, what the layout
12 and design is because all of what we work has design
13 for both vertical, horizontal and where we meet
14 existing or where we're tight and narrow by nature so
15 we know in advance if it's an undercutter process it's
16 12 foot 5.

17 If it's a P8-11 process it's 12 foot. So we
18 already know if we're going to take a TLS operation in
19 this territory what our survey team and our layout team
20 is going to go looking for is the pinch points profile,
21 things like that.

22 Well to start an undercutter with a level of
23 reliability was a very difficult task as we had not run
24 an undercutter operation and a TLS operation on the
25 corridor since 1985. So what we were faced with in

1 2005 is we did, under my watch we did an analysis of
2 all the curves from Boston to Washington.

3 And we had a curve modification program with
4 the intent to actually go to nine inch underbalance if
5 we can get the FRA authority for that. And that's a
6 couple words is a little bit crazy. It's a particular
7 applicability.

8 I'll never forget that. But I remember the
9 day we got it, the next day the FRA revoked it for
10 whatever reason. But most of our track was considered
11 with seven inch underbalance unless there was a
12 particular increment via bridge work the deputy chief
13 would only permit a five inch underbalance on a bridge
14 or a situation.

15 But at the end of the day in 2005, we were
16 able to accrue 11 minutes of over the road time with
17 improvements. Concurrent with that, transportation
18 provided us with an edict is that they only wanted one
19 hit between Washington and Boston.

20 One hit would be a 24/7 outage on an express
21 track with heavy work that was of a continuous nature
22 that they would have to run around. Some of the
23 background or some of the reasoning in that was that
24 they had to conduct TPCs, training performance
25 calculations, understand where the trains meet, where

1 they would move our fleets and other fleets either
2 before the hour or after the hour so trains weren't
3 standing in tight areas where tracks converge waiting
4 for others to go by.

5 And until they got kind of used to doing
6 that, we had to kind of conduct our work a TLS or
7 whatever you want to call it in occupancy and for any
8 other continuous outages we were kind of asked to work
9 on the weekend. So as the time table improved I think
10 it was from two hours and 49 minutes to two hours and
11 29 minutes where we had the confidence at the time when
12 ride quality was on the high end we were out there.

13 We would cover rock and ties and
14 reconstructing interlockers on the weekends.
15 Undercutting, big challenges, put a big undercutter out
16 there it constitutes some 80 to 90 people. We didn't
17 have any operators.

18 Most of the people we had retired. Other
19 people moved to other positions, were promoted, you
20 know, attrition. I sat down with our labor relations
21 people and I worked out with some contracts to bring in
22 some retired people to mentor the young folks so they
23 could learn how to operate the undercutter safely so we
24 don't have any injuries, serious injuries.

25 And with a certain level of effectiveness

1 and recognizing that should a person make a mistake
2 that an undercutter can get hit with an adjacent track
3 by a train as a TLM because you have a big whopper out
4 there. So how we introduced the undercutter program
5 was initially in a three year, in increments.

6 The first year we trained the operators of
7 the undercutter and we tucked the undercutter in behind
8 a clipping gang or the fastening gang behind a TLM and
9 we used the ability and the knowledge of the foremen on
10 TLS, supervision that was there, the equipment
11 capacity, I mean as far as like equipment engineers and
12 repairmen.

13 And we kind of grew the flowers or grew the
14 fruit of an undercutter core. Pretty successful. We
15 learned with the rates of advancement with the
16 undercutter it was kind of like TLM was the rabbit.
17 The undercutter was the turtle.

18 We understood what the ballast return was
19 from the undercutter. We had brought scientists out
20 there to actually take buckets of undercut material to
21 try to understand the findings, what was being
22 returned. We worked through that a couple cycles.

23 We changed the screens in the undercutter
24 and we changed the scope of work in the undercutter
25 based upon the knowledge bubble that we had where in

1 some cases, and it was kind of forbidden years ago
2 where you'll find today in certain areas by design the
3 undercutter has no return. Everything that's there in
4 the ballast section is so far gone we're totally
5 wasting everything, just gone.

6 And people are like, my God. Well it's done
7 by science. It's part of the job. It's in the
8 increments of advancement of the work. The challenges
9 we had is along between I would say Perryville and
10 Washington the northbound express track is in the
11 center. It's not on the west side of the way the
12 railroad is situated.

13 So in the center it's like my God, here we
14 go again because in the 70s and 80s when the
15 undercutter was in the center we would push, I don't
16 know, our undercutter has the capacity of pushing
17 between 14 to 16 cars on a reasonable grade. We pushed
18 38 side dump cars.

19 And with side dump cars we would have to
20 power them, electric, you know, power for the
21 conveyors. And the problem was as soon as you filled
22 the cars you were done for the day because there wasn't
23 a work train that would be able to come out and
24 interrupt the fleet to shift the loaded cars off and
25 bring you an empty train.

1 So when Amtrak went and bought the RM-95 we
2 bought these creatures called SMF 40s which are great.
3 They have a side conveyor. Just they don't hold as
4 much material. The challenge there is with a standard
5 cut of 14 to 16 inches if there's no return every 100
6 feet you're filling a car.

7 So if you move forward with ten cars your
8 days work is 1,000 feet. It's really productive but
9 not what your goal is. And then you're stuck until you
10 can shift out at night. When you shift out at night
11 you have to have the block clear ahead of you depending
12 upon what the constraints are.

13 And part of our ride quality package was to
14 use the opportunity in the track limits and the period
15 of performance that we're going to be out there that
16 was in the plan to thermally adjusted the welded rail
17 that was probably getting used its useful life of being
18 comfortable with the neutral temperature, change the
19 pads and insulators and clips, eliminate all joints,
20 introduce a hollowing welder which is a higher level of
21 liability versus a butae, not that butae is a bad weld.

22 And replace the I-joints, replace the
23 impedance bonds because some of the impedance bonds
24 were beyond their useful life, conduct curve mods,
25 grade changes, whatever that is. Take that track while

1 we have it, it's so valuable to us and do everything we
2 can do to that section of track to put it back on
3 cycle.

4 I visited the Union Pacific and I was out in
5 North Platte and they had a conveyor car that I was
6 very interested in looking at. And it was what we went
7 with. We purchased, we had a contractor build us a
8 conveyor car.

9 And our conveyor car, and I don't know
10 exactly I believe the boom is about 35 to 40 feet in
11 length and it was manufactured or fabricated to buck
12 up, to buckle up to our MSF-40s. So we went and had a
13 conveyor built.

14 Concurrently we bought another Brandt truck.
15 I was a little shocked. We went from \$750,000 for a
16 truck to \$1.3 million for a truck and we rigged up the
17 undercutter group to now add people for MSF-40s, for a
18 Brandt truck, for a conveyor.

19 We put that again this past season in behind
20 the TLS. The TLS we looked tactically at our program.
21 Our program this year initially priority one was to
22 conduct heavy improvements to the oil train route which
23 we're familiar with from Perryville to Davis as it last
24 winter the operating speed went from 110 to 15.

25 We put the undercutter in behind the

1 clipping gang again. We had the guys, as somebody used
2 to say in basketball for practice, okay, we had them in
3 there. We had them practicing with the Brandt truck,
4 with the MSF-40s, with the conveyor car getting them
5 ready, getting them into practice.

6 Concurrently we built and developed two more
7 additional surfacing gangs to, that eventually would
8 turnout and rotate independently with the undercutter
9 to have a full undercutter operation. We hired some
10 200 people because we understood that as soon as we
11 impact the undercutter everybody else is short.

12 So we looked at the grand plan of people
13 resources, what we needed, the training levels, the
14 schooling, the mentoring, the coaching, management
15 staff, supervisory staff, vehicles, heavy vehicles,
16 even down to because we're big how many hotels we can
17 obtain with rooms in the territory where you're not in
18 there in like northeast Maryland and they want you to
19 leave on Friday because they have events and they want
20 to just put our people on the street.

21 So it's all those levels, it's procurement.
22 Telling procurement I need 200,000 ties and they're
23 like well Amtrak don't have the money for that. You
24 know, they're changing how they do business. So
25 there's a lot of meetings, a lot of justifications.

1 There's a lot of getting support from above and in many
2 cases you're changing how people normally do business.

3 More work engines, more work train crews.
4 You pinch transportation they have an extra list. The
5 extra list is based on their normal work. As soon as
6 you say John Pielli wants five train crews they're like
7 my God, does he think about what it's going to impact
8 their normal business.

9 So all those layers. We learned. We
10 learned with the undercutter how to work, what the
11 expectations are. The people, we introduced the design
12 from Bacon to Davis. Bacon is about Mile Post 51.
13 Davis is around 40.

14 As a test, we didn't tell the people but we
15 introduced a different field of work. Field of work
16 first started with out of face surfacing, out of face
17 undercutting, excuse me, which is standard cut, cut in
18 keep the bar just below the ties.

19 Constraints are the understood control.
20 They didn't have, can't or excessive super elevation in
21 the dog house or the undercutter so they could control
22 working in that clearance envelope.

23 We also got to introduce them to learning
24 how to read the data. That's the layout along the
25 adjacent rail for vertical and horizontal and how to

1 get out ahead and build their daily plan so they would
2 be able to recognize if they were tight that they
3 needed the adjacent track protection.

4 That worked out fine. We did it in a series
5 of increments. The next increment was we set up a
6 situation where it was tight and we did a curve mod.
7 So we added in layers.

8 So now they're working in the tight
9 environment. They're recognizing they have to work off
10 peak because they need an adjacent track. They need to
11 be aware of what their affect is to the ballast
12 shoulder and the fouling envelope of the adjacent track
13 and what their goal is and what to do if something
14 changes because that's what we're here for to deal with
15 change.

16 The same curve, Curve 341 we introduced a 28
17 inch cut which is a lot. So we introduced to our
18 people to learn how much they can cut in one pass and
19 how much that they'll have to make a field decision on
20 a second cut is necessary.

21 A second cut is a lot of cost, a lot of cost
22 in effect and time, all right. They learn that. They
23 did well. There was, I don't want to say earth
24 shattering but it was very much an awakening when they
25 seen the changes we were introducing.

1 So they understood their job box, their tool
2 box. What they also learned is that when we lower
3 track that deep the railroad has a certain surface
4 level that was there before mankind changed the earth
5 where we go down and we go down deep into the clay.

6 Normally the railroad is built with the sins
7 of whatever was here, layers of clay, sand, hard pack.
8 Hard pack is coal centers that the railroad in the
9 northeast corridor was before the 20s. There was no
10 ballast, it was coal centers.

11 So the coal centers are under our track
12 that's packed. We call it hard packed and in the 20s
13 they started ballasting and using granite along the
14 corridor. They started in the 1900s in New York.

15 When they blew up New York to build the
16 tunnels they started scattering granite out in New
17 Jersey and it worked out pretty good. Actually if you
18 go on the west coast it doesn't look like granite. It
19 looks like little lava rocks but it's a little
20 different.

21 But what we introduced is that the
22 undercutter started to get the momentum, started to get
23 an understanding of the, their job box, understood when
24 they went deep what they had to do and that's
25 controlling the chutes, controlling the MSF-40s. We've

1 had, we had situations where the undercutter gang made
2 mistakes.

3 They made mistakes as far as not controlling
4 some of the flow of the spoils through the machine,
5 clogged the shaker box. Well that's, my God, it's like
6 machine comes to a stop. It kind of idles down and
7 then it's okay, let's lock out, tag out and everybody
8 gets in their with shovels and digs it out.

9 It's not a good situation. So with the
10 undercutter we looked at what can we do to change it so
11 we wouldn't have to go in and dig this box because
12 we're asking our people to work with a certain reach.
13 And we put some electronic devices on the belt
14 pressure.

15 So if the belt pressure gets to a certain
16 point it kind of slows the flow down so you're not
17 introducing so much waste into the box that you're
18 clogging. So we worked with that.

19 We also learned with returning track in
20 super elevated, returning the railroad behind the
21 undercutter in curves of up to six inches the
22 particular parameters they had to look at to be aware
23 of because they were changing things. When we went
24 deep into the clay it was a test.

25 We did Curve 341 and, because we see down in

1 the science between Carroll and Grove which is
2 Ottington that we're going to have to do some heavy
3 undercutting in there in the near future and we're not
4 at that point yet. So we're trying to graduate the
5 education, the performance of the gang.

6 So we had them cut through Bacon Hill curve
7 at about 28 inch cut and we got the phone call we're
8 cutting clay. Well we knew it, okay. So we went out
9 there. We worked with the guys and we got to
10 understand the dynamic stress on the machine, shaking
11 clay, cutting through clay and we got through the curve
12 and we brought the design back up to a standard skim
13 cut, as I would say, and we understood what that factor
14 was.

15 And that factor was, how many cars of spoils
16 came out? How much clay came out? How would we
17 restore the road bed to a reliable base bottom? And we
18 already knew what we were going to do and we went in
19 there and filled the track up to the top of the rail
20 with sand, mason sand.

21 And people are like what the hell are you
22 doing? So the undercutter gang got to see the full
23 picture and actually it's a design repair that's known
24 in the industry as sand is a good base layer for track.
25 So how did we do it? Did we remove 2,800 feet of

1 track, no.

2 We filled the track to the top of the rail
3 with sand and we brought a CAT tamper with no vibrators
4 on and lifted the track up about a foot and just
5 dropped the track back down in the sand. So we got
6 about six to eight inches of sand under the track. We
7 brought the scientists out there and let them put their
8 gauges in there.

9 We actually have instrumentation out there
10 now as we also have in another location at Okepon
11 (phonetic) Road which is an FRA test spot and we're
12 seeing that the performance of the sand and the work
13 that we're introducing a benefit now of 50 percent,
14 which is good. So we're trying to get a patch.

15 The FRA is asking us to try to use the
16 northeast corridor as a test with the traffic we have
17 and the speeds. So we're moving forward. Concurrent
18 with that package, new people, new training,
19 introducing veteran people I hired as contractors to
20 come in and help the people learn how to surface, track
21 surface.

22 There's high speed surfacing which we were
23 doing and we're still doing well. And there's the new
24 construction surface and that we kind of got out of the
25 business of doing because we hadn't out of face

1 undercut for years.

2 So now you're back into multiple passes.
3 How do you introduce the work with modern machines?
4 We're limited by Amtrak. We just can't go out and buy
5 3x CAT for \$15 million. We don't have that money.

6 So we understand, we have to understand what
7 capacity we're looking for to keep up with the turtle
8 as we're moving along to get the job done to deliver it
9 in a particular time that we've set with transportation
10 to make that time table modification. So we go out
11 there and go to work and we decided, Amtrak decided to
12 take ten miles of track approximately and throw it six
13 inches to the east under the wire.

14 So we would widen the clearance envelope for
15 the future. We wouldn't have any tight areas and we
16 would prepare the oil train route in increments because
17 you can't fix world hunger overnight for the potential
18 of America having wider tanker cars which they're in
19 the process now through AREMA and everything else to
20 come up with wider tankers.

21 That constituted planning in their for ET to
22 be able to shift the wire, adjust the wire as it's
23 thermally adjusted. But at the end of the day the
24 surfacing gangs, both of them were learning.

25 We had, we built a team in there to look at

1 the process as our process for track buckling
2 countermeasures was introduced in say '85 when we had a
3 situation here south of Philly on how we work using
4 track stabilizers which we didn't have in '85. We used
5 to use ballast compactors.

6 And at the time when, in the 80s when we
7 were working our time table was five hours. So there
8 was not a real concern if we gave track back for ten
9 miles at 30 miles an hour. So we developed all these
10 quick release processes that improved, based upon
11 science.

12 There really wasn't a final package for
13 restoration of undercutting for, in high speed
14 territory. So we used all the elements that we had to
15 make sure we were safe and safe plus. But what we also
16 introduced concurrently with the undercutter this
17 season was the first pass we wouldn't stabilize.

18 When I was out on the BNSF I noticed that in
19 their initial pass in some cases depending upon what
20 machine you're using they're just tamping about every
21 third tie just to get to the undercut track which is
22 undercut by a contractor using an RM-80. Just setting
23 it on a pillow of clean or shaken ballast.

24 And when I talked to the people out there I
25 said well I think I know what you're doing but let me

1 hear it from you. And what they explained was as a
2 tamper inserts his picks, the little square things that
3 are on the end of the tools, they're normally four to
4 six inches in physical height.

5 And they're usually about a half an inch
6 below the bottom tie. And what they were finding is
7 that if they weren't paying attention when they were
8 conducting their initial pass at surfacing that smooth
9 road bed undercut with an inclined plane or a pitch by
10 the undercutter would be attacked with the tamper.
11 They would just chew it apart.

12 So they changed their spec for their first
13 pass to basically put it up on a pillow of stone. So
14 the second pass those picks weren't invasively hitting
15 like this table top and they started in increments to
16 stabilize them from there.

17 Some of the things we were looking at is how
18 much can we make a change and be comfortable with
19 giving track back with slow release if we undercut more
20 than a standard cut, 28 inches, whatever that is. So
21 what we did is we put some gauges in there and we
22 watched it and we inspected it.

23 And there was probably a period of three
24 months, two and a half, three months where between
25 Bacon and Davis the track was left for 60 not put back

1 for 110 because we were finishing up on all our
2 homework. Some of the challenges we had with the
3 surfacing gangs beyond the undercutter again was
4 learning curve, learning the machines.

5 Our advertising or promoting I don't really
6 seem to think we had any issue with that. The people
7 were eager. They wanted to learn the job and do the
8 job. They just had to be trained on how to read the
9 data from the adjacent track as we leave a base line
10 and to understand how to interpret the data to what the
11 track is left from with the undercutter.

12 Challenges we had or mistakes we had. Two
13 surfacing gangs were working behind the undercutter.
14 When they were advancing it came to a particular time
15 in the plan to bring the TLS, the seasoned CAT tamper
16 in behind the operation.

17 Visited the job, talking to the supervisors
18 and managers try to see how we're going, how is the
19 throttle, how we're doing. Conversation with the
20 people, the seasoned people on our MDZ, I'll call it.

21 John, what the hell is your new surfacing
22 guy doing? I got in here and threw the track a foot
23 the other way. Now I'm talking to a guy that's run
24 tampers and he's our best. He's been running these
25 things from day one.

1 I'm like what are you talking about? Didn't
2 you follow the data? Yes, I followed the data. Well
3 within, and they call it within zero, zero profile,
4 within a quarter inch. So now I'm like we threw the
5 track six inches.

6 The undercutter surfacing gangs went through
7 there and put the thing and smoothed it. CAT tamper
8 comes in, throws the track a foot the other way. So
9 now I've got curves that the neutral temperature is not
10 set anymore and I've got to figure out what our group,
11 what the hell is going on.

12 And what happened was our design team had
13 the layout there. And they were actually pinched by
14 what their output needed to be. Antrak expanded in
15 Michigan, expanded in Albany. So they got down to
16 where their lead surveyor was calling the TLS and
17 asking the TLS surfacing gang where they were so they
18 could just get enough data out in front of them for a
19 weeks work.

20 Then the miscommunication was they didn't
21 realize that we introduced two other surfacing gangs
22 that were in advance. So the two surfacing gangs in
23 advance, they were smoothing and keeping it close to
24 zero because we threw the track six inches ahead of the
25 TLM.

1 And the design was done by an outside
2 consultant that was reviewed that called for us to
3 throw it the other way. So we had to stop. We had to
4 have some meetings once we understood what's going on.

5 And at the time nothing was unsafe. We
6 hadn't encroached on any envelopes. We had a little
7 hiccup with time and it's how do we make up some time
8 to get back on schedule. But what we did and since
9 June 10th our undercutter group is working between New
10 Carrollton and Bowie, Maryland and they're fully, 100
11 percent turnkey successful.

12 They're using the conveyor car daily. They
13 absolutely have a good process of loading their MSF-
14 40s. What they do is they pull five cars or four cars
15 off with the Brandt truck. They get foul time on the
16 adjacent track.

17 We know from, we work with transportation
18 when the best opportunities for foul shots are. And
19 what we do is we discharge five cars from, four or five
20 cars of loaded spoils with foul over the adjacent track
21 to a pile, a predetermined pile where we high rail in
22 the advance and development of the work package of
23 where we're going to stage spoils.

24 So we either leave them on Amtrak's property
25 and test them or test them to determine levels of

1 things that maybe aren't, weren't too comfortable and
2 then we dispose. The train goes back against the
3 undercutter.

4 As soon as it goes back against the
5 undercutter of course they'll stop and there's the
6 process of protocol. They do that so they work it
7 safely.

8 And then the cars that are being loaded
9 while the other cars are out being unloaded, they can
10 quickly discharge them again into the front cars and
11 keep that undercutter going to where we've had very
12 successful increments day after day of undercutting
13 where now we're predicting with a certain type of
14 undercut we could have a goal of 1,500 feet a day which
15 is excellent along the northeast corridor.

16 Of course we have to stop every time a train
17 goes by. To go back to the left a little bit one of
18 the big commitments from transportation is a diversion
19 around an undercutter, Perryville to Washington, a
20 diversion around a TLS in Philadelphia region, a
21 diversion around Jersey Heights the rail in New Jersey
22 and a diversion around scheduled heavy construction in
23 New England.

24 That's where I get involved with all the
25 transportation superintendents and at times the deputy

1 general managers are there. Network time table, CNOC
2 and we try to level out the work for four hits between
3 Washington and Boston based upon the longitudinal
4 location, what the areas are so they can predict, they
5 network time table predict a schedule that they can run
6 the fleet and trains continue to move efficiently in
7 whatever that is.

8 What affects it? One affect this year Metro
9 North put on 20 miles of speed restrictions. So the
10 trains coming from New England are late. Their
11 calculations, network time table, TPC are not proved
12 until we actually do the work, until we're actually out
13 there.

14 And then the big thing is are we doing what
15 we say? Are we impacting only what we say? Are we or
16 not? Can we meet the schedule to come back on time?
17 As we're moving along with these big creatures a time
18 table change can be done with a bulletin order.

19 It's not preferred. They normally try to do
20 it in increments so they're letting everyone know the
21 changes are going to be introduced three weeks in
22 advance. Three weeks in advance is kind of like the
23 bubble that everybody, that I could tell you is
24 comfortable with.

25 Three weeks in advance lets the stations

1 know, let the ticket people know, let the mechanical
2 people know, let the whole railroad know there's a
3 change going. Now the challenges are if we run into
4 additional scope or something unknown we're still
5 committed to giving that railroad back at that
6 particular time.

7 So it's watching the throttle sometimes
8 every day. Sometimes when you're in deep you need to
9 know how deep you are and what's going on so you can
10 make a decision to call up transportation and say at
11 next meeting we have was the end of the month and we
12 normally meet every month, every division.

13 We've got to meet sooner. We've got a
14 problem. And what happens everybody is like what
15 happened? What didn't they do right? What's going on?
16 But I'll tell you it's worked out well.

17 We've met all our major commitments. One
18 change we had this year we did verse (phonetic) testing
19 on the Chesapeake where we're undercutting and we found
20 some neutral temperature that was not unsafe but it was
21 something we weren't comfortable with. So we changed
22 the scope where we out of face adjusted rail for six
23 miles and hardware, six continuous miles.

24 And it was a track that was plowed initially
25 in 1980. We changed the schedule a little bit and

1 there is some margin with that gunpowder magnolia and
2 wood which they're going to start on the 15th the
3 undercutter to do the same.

4 Rail hardware adjustment, the whole nine
5 yards. We're finding that now that we're doing it
6 we're doing it efficiently and safe. We're able to do
7 it in the environment with trains passing us by at, you
8 know, 135 miles an hour.

9 We had some issues with just the security,
10 not security like if somebody broke in here. But the
11 security of what do we do with all the tie pads? How
12 do we secure the tie pads so that they're not kicking
13 up in the air with trains going by? How did we realize
14 that?

15 We realized in the areas where the track
16 centers are tight. We have some areas that are less
17 than 12 feet. And in that particular area where we're
18 in a cut just putting new pads on the ties as we're
19 getting ready to lay rail on top we can only do it so
20 much in advance because there's tie pads you'll find
21 the next day that are off the ties. They start to
22 migrate.

23 So we made some changes with that. The
24 undercutter operation, as I talked to the, we had a
25 little meeting this morning, it's a lot of money. It's

1 approximately a \$30 million operation. We're involved
2 with environmental.

3 We don't always know what the cookbook is.
4 But we listen to what they tell us kind of like when, I
5 know when I go to the doctor he tells me take this
6 medicine I take it. I don't like tear up the script
7 and like what the hell I'm not going to listen to you.

8 But we're finding ourselves more predictable
9 now for 2017 and 2018 and 2019. And we're looking at
10 these different parameters, these different ways to
11 attack to accomplish the same work but in different
12 scenarios.

13 Our design teams are moving ahead of us now.
14 They brought on some, I want to say consultants, some
15 additional design teams to help them go through the
16 math, go through the science in advance of us. There
17 was a lot of stress.

18 You know, Amtrak doesn't have a lot of
19 money. I always say, you know, I work for a company
20 that's broke. So every increment of change that we
21 needed was interesting. Interesting in that to get a
22 tanker truck for the undercutter justification, why?

23 We have one tanker truck for the TLS. He's
24 in Philly. Can he go from Philadelphia to New
25 Carrollton every day, yes. But the guy has got hours

1 of service on the truck. We've got one truck. How
2 much are we going to tax the person.

3 So trucks, grapple trucks, pick up trucks,
4 hotels, employees, PPE to go to the storehouses and let
5 them know there's this new gang out there. They're
6 going to be drawing on more resources, procurement.
7 Procurement (inaudible) on the hot line as we started
8 ordering ballasts by truck, why?

9 Well our concept was to send a unit train
10 which could be 55 cars or more to a contracted quarry
11 in Reading, Pennsylvania, which is Dyer for a unit
12 train of stone. So we look at the calculations. We
13 look at what it takes to run that cycle of stone to
14 keep up with the work.

15 And we find that we're following all our
16 math but yet when the train leaves the private road
17 decides to send it to, from Philadelphia to Reading
18 they don't send it out the back door. They send it as
19 a unit train to Conway.

20 So it goes from Philadelphia to Pittsburgh
21 to Allentown to Reading. So even though we calculated
22 the path of this train and talked to Dyer Quarry and
23 tried to get an understanding how many trains are going
24 to be there so we would get reasonable service, we find
25 out where's our train?

1 And we find out our train is somewhere else.
2 It's a unit train so they're required to keep it
3 intact. But then we find out they don't have enough
4 locomotives and they're making choices as a business.
5 So we're stuck.

6 We've got TLM, undercutter, Jersey High
7 Speed Rail. Jersey High Speed Rail for the
8 preponderance of 2017 is the total reconstruction of
9 Midway Interlocking. Midway Interlocking along the New
10 York division is being, we're introducing extreme
11 change to the interlocking with the information that we
12 have based upon our high speed train sets testing up in
13 New England with strain gauges and instrument and wheel
14 sets.

15 We found where we're not comfortable with
16 high speed track in an environment that has 12 foot
17 track centers. We find some of the track work as it's
18 manufactured needed to be changed. While they were in
19 the process we changed the way, we're in like level
20 four now of advanced technology turnouts.

21 We found out in stock rows and switch points
22 at a speed above a certain amount we were eliminating
23 what some people call a universal or graduated riser.
24 There's no more pummeling. We also are able to with
25 wider track centers push the frogs further apart so

1 that one, at that moment the train wheels aren't on two
2 frogs.

3 Okay. The sense of the length of a car. So
4 now where we're at in New York, in the New York
5 division high speed rail is where trying to set a
6 standard, a package where Amtrak could take 20 miles of
7 track and keep doing it. And actually that's what was
8 done in the 20s here.

9 They took sections of track and they
10 improved it. But what we found is we had a constraint,
11 catenary system. So now you're stuck between the width
12 of the poles unless you want to totally replace the
13 caissons and the poles.

14 So normally and they do shrink and widen.
15 But along that particular line we were comfortable with
16 13 foot track centers. So 13 foot track centers in a
17 situation where you've got a four track maintenance 12
18 foot you've got some major changes you're going to
19 introduce.

20 So some of the changes up there were using
21 one of the tracks as a baseline. So we use three as a
22 base line which actually was used in '64 when President
23 Johnson did a high speed rail test. And we made a
24 decision to go with 13 foot track centers.

25 So we order turnouts that have longer

1 distance between the points of frogs. We put in all
2 the increments and upgrade our turnouts for more
3 durable with the idea that we have to function at 200
4 mile an hour which gives us a fail, a wiggle room to
5 186.

6 And we all take a trip over to England and
7 Belgium and everybody and Germany to see what they've
8 got which we find out their trains are different so
9 whatever they have out there we can look at it but it's
10 different than us. It doesn't really apply.

11 So we start introducing work in Midway. We
12 start introducing work in Midway with considering block
13 stationing for 23 miles has to be changed. So right
14 now we've conducted signal cut overs, improvements in
15 that area where I think they had 13 block stations now
16 there's 43.

17 So you have 43 block stations. Your express
18 tracks have longer distance for more preview, when the
19 engineer is reading signals more distance braking. The
20 outside tracks we had to consider our commuters. They
21 don't want signals too far apart. They'd rather have
22 them as close as they can get so they can pack as many
23 trains in as they want.

24 So we ended up with a chassis where the
25 outside tracks and the inside tracks no longer had a

1 signal bridge across all four tracks at the same spot.
2 So we had to introduce a whole lot of insulated joint
3 locations, signal locations, in the millions and then
4 cut it over new system to old.

5 When the signal goes out there they get
6 track out of service. They work safe. They disconnect
7 the track circuits that are say old. They open up the
8 new system. They have to proof and validate all the
9 increments of that system at that spot.

10 Depending upon the speed and the design they
11 have to preview, they have to look into the adjacent
12 blocks sometimes two or three signals deep to
13 understand the whole process. And then being in out of
14 service overnight or continuous outage then they have
15 to disconnect everything, put it back on the old and
16 put it back on service.

17 As they conduct this change in testing and
18 validation and proofing through that whole territory
19 and then it comes to the big day. It's kind of like a
20 wedding day is when you're going to cut it over. Then
21 you cut it over and it's for planning and safety.

22 You realize 23 miles with 43 huts might take
23 200 signal people to do the job. So your approach with
24 like when we cut over interlocking in New York we had
25 meetings for two years and we brought signal

1 maintainers all the way from Baltimore to New York,
2 like 150 people there to do it.

3 So we were faced with that situation to work
4 safe. Do we introduce that many maintainers and
5 leaders in levels of management or do we tell
6 transportation we're going to try to get the job done
7 with its least effect to you, however, you're going to
8 have to work with us a little bit?

9 And they're like, okay, well what does that
10 mean? And we told them with all the other work we've
11 got going on trying to give you an example with the
12 work safe we're going to run, it's going to be 562 with
13 absolute block and we only have so many maintainers and
14 crew that we're going to dedicate to this.

15 So here's what we're going to do. We're
16 going to set up the first core of signal from point to
17 point over like a five mile stretch. I'm going to tell
18 you to run the train, absolute block. And as soon as
19 you run an absolute block we're able to validate that
20 system.

21 You can continue to run absolute block but
22 there's probably about a three hour period we're going
23 to take all the signal, put them in a truck and drive
24 them to the next six miles. And we're going to
25 validate the next six miles and then we're going to do

1 the next six miles.

2 And I can't tell you how stressful that was
3 to convince people to work with us for that for safety.
4 And it worked to a point now where, actually now it's
5 routine. Everybody is used to it.

6 But what it did, it helped us work safe, get
7 the job done, validate everything and it allowed us to
8 still do the other projects demanding from everything
9 else. We do have times where we have some talented,
10 qualified specialist people that have a lot of
11 experience they'll bid to different gangs just as how
12 we do work.

13 We look at the level of effort, the assault
14 that's necessary and at times we bring in more seasoned
15 people because we understand that we need that level.
16 One example is some of our interlocking work. You
17 know, if we're in an interlocking and we're taking two
18 tracks out and there's only three you know we're
19 stalling a lot of trains on each side of us while we're
20 working.

21 We don't necessarily desire to just use
22 anybody that's awarded the job. So but we have them
23 there to be mentored by somebody that's seasoned so we
24 can, when we say we're going to do something we can do
25 it within the time frame within reason that we're

1 predicting and the people get to learn.

2 It's worked out well. Right now along the
3 corridor is, since June 10th it's the first time, and
4 I'm proud of it, since 1985 that Acela trains leave
5 Washington ten minutes before the hour. I don't know
6 if he's realized that.

7 And that's to accommodate the commitments we
8 have in engineering at that high level with an
9 undercutter, turnkey, safe and productive, a TLS, an
10 SES, a Jersey High Speed Rail and in New York we're
11 still replacing like last weekend track in East River
12 Tunnel. So all that's going on.

13 We bump up our work in every one of our big
14 jobs, jobs that are normally beyond an overnight. Our
15 people, our leaders, I'm involved with some of it. I'm
16 involved with all of it in advance and I intermittently
17 touch base with all of them as I have new managers.

18 When I took over this responsibility and
19 titles change, this, I was a superintendent with this
20 before. I moved on and they brought me back. Now the
21 title is director of engineering, heavy construction.
22 It's the same job. It's the same thing.

23 But we're reliable doing heavy work.
24 Touching base with a lot of new managers. Like I said,
25 when I took this over in December I have a staff

1 organization of 38 managers. I had 18 vacancies. We
2 had a situation where people were just being promoted
3 and moving to other areas so it was kind of like
4 throttle back.

5 Let people recognize it's going to take a
6 while to throttle up and go in increments and teach the
7 people as I'm explaining. Some of the issues we found
8 is there weren't enough trainers. Amtrak had a consent
9 decree years ago and part of the agreement was 50
10 percent of the training and qualifications of operators
11 would be on BMW.

12 And it's not just BMW. I'll go to the
13 left. It's, Amtrak provides a name to the BMW for
14 consideration to be promoted to an equipment trainer.
15 So it's a joint thing. It's actually worked well.

16 But what we found is we needed more
17 trainers. So we added trainers for the P8-11 which is
18 our TLS just for the P8-11 not all the TLS critters.
19 We also, I had a complaint that we didn't have enough
20 depth in training for our continuous action tampers
21 with the processors, with the complexity of the control
22 of the computer.

23 And just simply to run a 4S tamper that has
24 the capacity of I would say 2,000 feet an hour or do
25 any type of switch and put a young man in there that's

1 not qualified and expect him to work anywhere safe is a
2 problem. So we worked the process. We had meetings
3 with safety.

4 Andy is my boss, the engineering labor
5 relations group. And we took, I actually reached out
6 to somebody that I know here and asked him if he would
7 be interested in the training. And he said well I
8 would really, like you I appreciate being able to teach
9 people but I don't want to go anywhere else.

10 Don't send me to New England. Don't send me
11 to do this. You want me to teach people I'll teach
12 here. I said so what are you telling me, you want to
13 be a training farm here? And he said, yes.

14 So we actually set that up and that's in
15 place now and that's some of our sophisticated, our 09
16 32 CAT tampers which take a lot to run efficiently and
17 safe. We've got a full-time trainer there and those
18 are some of the improvements we're making with training
19 of the people.

20 We've got a mentoring program that I started
21 when I was senior director of track in 2007. And I
22 would explain that as to be kind of like a dentist.
23 When you go to the dentist they have your file. They
24 take your x-rays they put it in there. So I developed
25 it when I wrote the program to have the new recruits,

1 the newly promoted foremen separated in two categories.

2 One would be Class 5 or lower or Class 7, 7
3 or 8. So we would try to introduce the people that
4 were particular to track inspection requirements, high
5 level requirements and have the ability to teach
6 somebody that would only be working in the production
7 crew that would have to be aware of what all the specs
8 are and this that because we're dealing with people and
9 as part of their curriculum training teach them the
10 process laying rail, laying ties, things like that.

11 Kind of got to start somewhere. You can't
12 throw the whole bowl at everybody all at once. The
13 mentor as we defined the title would be mentor or from
14 promoted and interviewed supervisors, veteran people
15 that knew their job that had the experience.

16 And you kind of can't measure that. It's
17 kind of, you can't put a rule around it. You've got to
18 have a sense of what the person's background. It's
19 kind of like interviewing when you're promoting
20 somebody.

21 So we established a mentor north which was
22 New York to Boston and a mentor south which was New
23 York to Washington. And they took a file up on all the
24 newly graduating foremen that came out of our foremen
25 training class.

1 Foreman training classes teaches in depth
2 the federal regs, our specifications and protocol, how
3 to recite or work through the book to research across
4 level, you know, where to go to look, what table you go
5 to reference, how do you make a decision based upon
6 fact and numbers not just opinion. And it worked out
7 well.

8 We set it up. It was a non disciplinary
9 thing right off the bat is, you know, we're going to
10 teach you. We're going to need some feedback from you.
11 So we'd set up, if it was a track inspector the mentor
12 would walk with him on a periodic cycle to understand
13 the fundamental things that foreman knew coming out of
14 school that he can graduate in to be the professional
15 if he was a track inspector and would be aware of what
16 his territory was, what his classes of track was,
17 decisions he had to make to encourage him as it was a
18 construction foreman.

19 That worked out pretty well. I think we
20 went through over 100 foremen and they like it. The
21 BMW liked it. We've absolutely seen the improvement
22 in being able to throttle up more quickly and safely
23 and with some support I was able to get a management
24 position added to staff and we added a mentor for the
25 ARASA (phonetic) supervisors.

1 And we added a mentor for our welders. So
2 that kind of worked out well for safety for how we
3 work. Program wise, every deputy chief has defined
4 attributes. They normally have a list. I'm a track
5 guy. Track has got 13.

6 One attribute would be like turnouts. The
7 other would be concrete ties, direct fixation. So
8 there's 13 in track. Every deputy has attributes. We
9 reset that in 2002 and that was one of the base of how
10 we developed the capital program.

11 The capital programs develop with how many
12 attributes you have and then the population of those
13 attributes through system area. For example, Amtrak
14 system wide has approximately 1,700 turnouts. It has
15 so many thousands of miles of track, track of such a
16 class of speed, so many tracks and curves, so many
17 interlockings with switches, so many interlockings with
18 concrete switches are called advanced technology
19 turnouts.

20 How many road crossings we have? How many
21 movable bridges we have? That becomes a whole
22 population of chassis that would make you want to jump
23 out the window. But at the end of the day every one of
24 the attributes is rated and they rate for the useful
25 life of the attribute.

1 So for example, a wood tie on the northeast
2 corridor is 30 years. A wood tie in San Francisco
3 we'll tell you, John was out in San Francisco and I was
4 changing ties in '95. They had a date tag in 1906 and
5 they looked good, okay.

6 So it depends on the area you're at. Rail
7 also has a useful life with the alloys that's
8 constructed when they make their soup or they make
9 their rail. There's a reasonable life expectancy of
10 that. And rail at times gets tonnaged out where you
11 start to get more defects or service failures in the
12 rail which challenges you to change it to reduce the
13 unreliability.

14 So when you're dealing with rail, ties,
15 turnouts you come up with the population. You
16 understand how in the past to the left you've replaced
17 at a particular cycle and you introduce a capital
18 program that's, and it's for safety, but what you're
19 doing is you're maintaining the operating speed, the
20 MAS based upon your time table.

21 So for example, you might want to change
22 turnouts in high speed territory more or less dependent
23 upon the traffic that runs over that territory. Also
24 the type of turnouts. We have turnouts in modern times
25 where along the corridor we have spring frogs, RBM rail

1 bound manganese frogs, tens, 20s, 15s.

2 Since 1990 we had 26 and a half. Our design
3 is 32 7s. And we'll be introducing here soon some
4 spring frogs of a size 19 down in Magnolia that are
5 similar to what the UP uses out on their 30 MGT lines.

6 And some of that is the cost savings as a
7 movable point frog is very expensive for signal to put
8 in the extra racks and the extra cases and the extra
9 testing and machines. And in some cases some of our
10 switches are fletted for the preponderance of their
11 time and the UP with heavy tonnage has proven that the
12 design is durable and can hold up.

13 So as we're looking at new things we want to
14 make sure it's right. We normally introduce it as a
15 test. We put it in an area that we can watch it, we
16 can measure it, we can make sure it's safe, teach our
17 people how to inspect it because some of this stuff is
18 new jewelry kind of like with a new car.

19 I'm a car guy. You know, when I was a kid
20 it was girls, cars and drugs and I never did drugs.
21 But cars I liked. I've got to tell you that. You've
22 got something that's fancy I want to know about it.

23 So it's also an education for safety for our
24 people. When we're installing these new technology
25 turnouts we have to bring the vendor in. It's either

1 Nortrak or Balfour Beatty. There's only a couple
2 vendors. And we sometimes have to recheck or go over
3 what needs to be done to maintain it on things that
4 they don't even know that they need to do anything.

5 So I've been talking for a while here. I
6 don't know if anybody has any questions.

7 INVESTIGATOR HIPSKIND: Do you need a break
8 at all?

9 MR. PIELLI: I could use a break.

10 INVESTIGATOR HIPSKIND: All right. Let's go
11 off the record and we'll have a break, okay.

12 MR. PIELLI: Okay.

13 (Whereupon, the above-entitled matter went
14 off the record briefly.)

15 INVESTIGATOR HIPSKIND: Okay. We're back
16 from our break. John, that was a long and detailed
17 answer and I, what I want to do is have a conversation
18 and unpack a lot of what you've laid out for us.

19 And the first thing I want to acknowledge is
20 your career, 40 plus years of increasing responsibility
21 and scope and the width and breadth, it sounds to me
22 like you've traveled the entire nation. Fair to say?

23 MR. PIELLI: Yes.

24 INVESTIGATOR HIPSKIND: Okay. The other
25 thing I just want to kind of get on the record. When

1 you used, you used quite a few acronyms and I want to
2 add some definition to that. So TLM, track laying
3 machine?

4 MR. PIELLI: Yes.

5 INVESTIGATOR HIPSKIND: And define TLS.

6 MR. PIELLI: Track laying system.

7 INVESTIGATOR HIPSKIND: Track laying system.

8 MR. PIELLI: Yes.

9 INVESTIGATOR HIPSKIND: Okay. And a lot of
10 what, as I recall, that you were kind of giving us a
11 lot of experience and a lot of lessons learned on how
12 to rehab and to lay a great foundation for high speed
13 operations.

14 And one of my takeaways was some track you
15 just have to start over. And I think that's why you
16 went very detailed on all the undercutting lessons
17 learned. Is that fair to say?

18 MR. PIELLI: Yes, at times it makes best
19 business sense to have a certain level of reliability
20 to maintain a particular operating speed to conduct
21 work in a manner of total track replacement.

22 INVESTIGATOR HIPSKIND: And the other thing
23 that was one of my big takeaways from your answer and
24 discussion was that it is, the reason that you covered
25 so many years, so many different types of soil and so

1 many different types of location is that the
2 accumulative lessons learned is your guiding, some of
3 your guiding principles for how you're going to go into
4 the future and even to higher speeds.

5 MR. PIELLI: That's correct.

6 INVESTIGATOR HIPSKIND: Okay. All right.
7 But now I kind of want to turn the focus of our
8 conversation and let me state one of the other
9 impressions I got was just the enormity of the
10 coordination that you have to make not only with
11 localities but within the railroad, different
12 departments on the railroad, suppliers whether they're
13 hotels, moving stone from the quarry.

14 Just all the stuff that has to come in kind
15 of in an orchestration to keep this thing moving on
16 these big undercutting surfacing rehab of a certain
17 section of the railroad. So in addition to that, what
18 I want to talk about now is I want to talk about all
19 these men and equipment and all that and I want to talk
20 about the safety plan and how their on track presence
21 is ensured and some of the lengths that you go and some
22 of the things that occur on the ground if you please
23 want to address that.

24 MR. PIELLI: Customarily every site-specific
25 work plan is custom to the territory and the

1 constraints and the situation that you physically have
2 out there. It could be railroad right of way. Any
3 class of track with no overhead catenary, with no DC
4 third rail, with a single track. It could be double
5 track, triple track.

6 It could be two tracks of one grade and
7 another track at another grade. Could be multiple
8 tracks on an elevated right of way. It could be in a
9 combination of convex or concave curves. So you kind
10 of got to look through the keyhole and get an
11 understanding what the lay of the land is and then you
12 get to modify, you have to modify the means and methods
13 of people and machines.

14 Machines speed things up, normally get
15 things done quicker than mankind. You have to be aware
16 of all the cycles, production cycles to capacity of
17 each one of the machines whether it's huge or small.
18 It's still a machine that's controlled by mankind.

19 Be aware of where the people are in advance
20 so there's no surprises. That's all part of the plan.
21 Where we would have an idea, a good firm idea of how
22 many watchmen you would need although at the last
23 moment it's that foreman that's out there with the plan
24 that provides sufficient watchmen based on what you
25 think.

1 That last decision is his. But when they,
2 his or hers, but when they lay the lands out and they
3 post the watchmen they conduct a test and they verify
4 it. Everybody is aware that when we take track out of
5 service we're using shunting devices or barricades. We
6 probably have four or five locations where something
7 has come in on our out of service track within several
8 years and we've been fine.

9 We've got challenged a lot with some of our
10 newer foremen putting the barricade up in an
11 interlocking which I still encourage the foremen to do
12 because it protects us. And normally when we work with
13 signal I have them pull the fuses.

14 We have had situations where our foremen put
15 a barricade up in the wrong location or on the wrong
16 track and we, it's a NORAC violation. But to me it's
17 more of to try to teach them what they could have done
18 better than pound them into the sand that they put a
19 barricade up in front of a live track.

20 We had a foreman in New York put a barricade
21 up on the wrong track leading to an East River Tunnel.
22 Long Island got a little upset with it. They'll have
23 to deal with it. We learn through that.

24 Some areas where I don't want to say it's
25 caustic but it's a very high traffic area that we're

1 working I define it, one location to give you an
2 example is like between Rahway and New York division,
3 Mile Post 22 and 27 all the way through Methuchen,
4 Edison and Methuchen. Well when we worked through
5 there with the P8-11 and the TLS I called it a
6 gauntlet.

7 We worked through there at night and took
8 the adjacent track out of service as a barrier and we
9 had, I think it was 40 something watchmen. So it
10 depends upon the lay of the land where you're not going
11 to send a gang out with a busload of people and they
12 figure it out when they get there because you're not
13 efficient.

14 You can't meet the marks. So it's all
15 about, kind of like give you an analogy like major
16 league baseball team. Every team is a little different
17 but they're all in the league.

18 So, you know, and you might have the TLS
19 work in concept but has to make particular
20 modifications for safety and production in this
21 briefing based upon what the corridor looks like or
22 what the right of way looks like on Harrisburg line in
23 Albany. So it's kind of matching, manning people and
24 the shifts that you're going to introduce.

25 Sometimes it's making tough decisions to put

1 people nights off peak to provide a more profound
2 environment for protection. Sometimes they hate it
3 because they're working nights.

4 Sometimes it's to a point where you're
5 working on weekend nights. And, you know, when they go
6 through it they got to understand the change so it's
7 communication, communication, communication.

8 And then it's following up I would say is
9 the hardest thing to do on railroad is that when you
10 introduce the change and you're introducing different
11 spacing and mechanical layout that they're following
12 that. And there's periodic times that you have to set
13 up to get feedback to get downloaded, to get a
14 debriefing of what you've introduced to see if you're
15 100 percent right and maybe it was a little tweak that
16 you've got to make.

17 And what we normally do with big jobs is
18 like I give you an example which I think is best is our
19 interlocking program every switch and every interlock
20 we're working is different. It's never the same. We
21 might be throwing a number 20 in the advanced
22 technology with different track centers but every
23 interlock it's different.

24 There's no systematic everything is a cookie
25 cutter. Usually on Wednesday is the full review for

1 all the division people, the gang and that introduces
2 and discusses the particular changes to that
3 interlocker for that weekend.

4 We work through the process, normally five
5 shifts through the weekend. We explode from 50 people
6 to with the support forces and trainings and work
7 trains probably about 100. And we close track out on
8 Monday morning about 5:00 a.m. so the fleet can resume.

9 And then we set up, on the Monday usually
10 leave for recovery because a lot of people work Sunday
11 nights, off peak whatever it is. But Tuesday is our
12 debriefing, lessons learned. And that's the cycle that
13 one, our SES switch exchange that's the cycle they
14 work.

15 TLS is normally in areas where we know are
16 much different. Much different would be radio, 30
17 Street this season in the early summer, late spring we
18 plowed ties from South Penn to Philly. And we plowed
19 ties South Penn to Philly while it introduced a single
20 track to Amtrak.

21 There's only two tracks. We're on one of
22 them. So that's a scenario that changed. So we had to
23 rig up our people to be more profoundly aware of what's
24 going on, on either side, what can happen. Also for
25 protection for if a switch fails we have maintainers

1 right there. We're not waiting for them to jump in the
2 truck and go and fix it.

3 But that site-specific for that area is
4 adjusted. Some places we're only working on a single
5 track we need foul time. Well obviously you're not
6 going to get it because there is only one train for the
7 fleet to run both directions on.

8 So a lot of that work has to be programmed
9 in as off peak at night. So then you run into the
10 challenges of overtime, off tour, working with the
11 rules and we adjust like that.

12 It depends also on where our interlockings
13 are. As I said earlier, time table used to be five
14 hours, now it's two hours and 29 minutes. And our goal
15 is we're the heavy construction. We don't leave
16 nothing for anyone else. If we leave it we're not
17 doing our job.

18 So when you approach an interlocking it's
19 normally the distance of your mechanical machines and
20 people, your factory that moves is that most likely
21 like with the TLS there's four big units. There's the
22 head end, the P8-11, the fastening and welding and then
23 there's the ballasting and surfacing.

24 If you get close to an interlocking you
25 might be five spans away, some 1,000 feet. You can't

1 advance because there's a stop signal right in front of
2 you and the railroad is depending upon using that
3 interlocking for all the elements that it has.

4 So what do you have to do? You have to go
5 in off peak. You have the front gang go through, clear
6 up in the morning, next gang. So all those increments
7 are adjusted and molded into that site-specific so
8 everybody understands what they have to do.

9 On every one of these operations it could be
10 rail, it could ties, it could be a P8-11, it could be
11 an undercutter, all of those things are built into the
12 site-specific with the knowledge and the debriefings
13 and the meetings of all the division personnel because
14 at times the division has to protect an interlocking
15 24/7 because there's risk.

16
17 There's risk that the, we'll have a single
18 point of failure. A switch will fail, nothing moves.
19 So with that said, we have meetings with their
20 leadership and the individual department heads. And at
21 times they bring maintainers or ET guys with them.

22 But at times you'll get different people
23 that because of seniority they might decide it's a
24 Saturday night and they want the overtime but they need
25 to be aware of what's going on there so they need to

1 reference in the field to site-specific and we make
2 that available. We include our safety liaisons which
3 haven't been around all my career.

4 I would say in the last 20 years it's very
5 positive. We include that. We include the safety
6 department. I know when I visit and my lead managers
7 that report to me are structures, track and signal,
8 what we normally do and I struggle with some of the
9 guys, some of the people producing it to a certain
10 cycle as I do.

11 But I'll go out, I'll give you an example.
12 I was up on the Springfield line three weeks ago and we
13 have a tie gang working up there between Polt
14 (phonetic) and New. And it's a single track and on the
15 Springfield line in the morning the service is
16 canceled.

17 We've, Amtrak has canceled the service from
18 7 o'clock to 1 o'clock in the afternoon with the State
19 of Connecticut to spear it and accelerate construction
20 to deliver that double track project. So when I go up
21 there I'm looking for safety, how do we evolve from the
22 train at 7 o'clock and protect to during the day when
23 we know there's no trains running to in the afternoon
24 the trains are going to run again.

25 So I'll go out and I'll meet and greet, look

1 at the people. You know, they see me and usually I go
2 with one or two people with me, okay. John's here.
3 What are we going to do?

4 I'll look at getting the job briefing, maybe
5 walking through the crew or whatever it is answering
6 questions. But then what I'll find is I need to find
7 the time to go a little bit more deep to see what we're
8 doing.

9 And what I'll do, I'll pull their 3 L-5
10 (phonetic) book which is their foul time book and I'll
11 pull it and I bring an empty one or blank one with me
12 and I'll hand the foreman a blank one. And I'll tell
13 the foreman make me a copy of the order.

14 He makes me a copy of his order. I give him
15 his copied order. I take his NORAC book. And I ask
16 him for ten days of job briefings and I take that. I
17 go back to Philly or New York, I have two offices and
18 my staff engineer, Linda Murphy she'll go and she'll
19 take the foul time book and she'll get with CTEC and
20 verify the fouls.

21 She'll also get a chance to see if in that
22 period of time they've called over the radio to certify
23 the shunts.

24 INVESTIGATOR HIPSKIND: So really it's --

25 MR. PIELLI: It's a check and balance.

1 INVESTIGATOR HIPSKIND: -- check and
2 balance, right. But it's also, it's a monitoring.
3 It's an interest in their safety and it can also serve
4 as an efficiency check.

5 MR. PIELLI: And then what I do when I'm
6 finished and I don't use it as a disciplinary thing,
7 I'll sit down and pen a letter to that foreman and let
8 him know what we did and send it to his house and he'll
9 get it in the mail. And usually they get a letter from
10 Amtrak it's like what did they do wrong.

11 And I try to word it as things that we could
12 do better and, you know, I encourage that they did a
13 good job. And we do that across the line. I've always
14 done it. I've done it when I was a foreman.

15 You know, you get a little bit, you get a
16 letter to your house it kind of shakes you up a little
17 bit. When you open it up and read it, it's almost like
18 I would seem to think hey, if I'm married look what I
19 got. It gives them a little encouragement.

20 INVESTIGATOR HIPSKIND: To do the right
21 thing?

22 MR. PIELLI: Yes, absolutely.

23 INVESTIGATOR HIPSKIND: John, I think at
24 this juncture, with your permission, I want to draw
25 some of the other investigators. I'm sure they have a

1 lot of questions for you too. So let's continue that
2 dialogue with them. Don.

3 MR. HILL: I have no questions. John, you
4 got very detailed.

5 INVESTIGATOR HIPSKIND: Fran.

6 MR. WALKER: Fran Walker. Site-specific
7 work plan, is that something that's done by every tie
8 gang, rail gang to address the hazards of the job in
9 the area they're working?

10 MR. PIELLI: With my group the big gangs or
11 the heavy construction gangs, the big tie on the
12 Harrisburg line presently, site-specific. Site-
13 specific based upon each block they're working not just
14 a general annual site-specific.

15 TLM is working right now between, actually
16 they're giving back the track today between Philly and
17 Baldwin, site-specific by block and track.
18 Undercutter, same. SES by switch installation not just
19 per interlocking. Zero defects is total track
20 replacement in New York, site-specific that goes into
21 the detail of whether or not we're going and ripping
22 out the signal location or not.

23 New England, heavy work going on in New
24 England. You can't imagine what we're doing up there
25 in Albany, site-specific by location, by task. For

1 example, in Albany we use the contract machine and we
2 lay down 12.1 miles of railroad in three weeks.

3 So it was a site-specific for cuts and
4 throws how we would enter with the work trains, where
5 the people would be, how we would protect, where the
6 nearest hospitals are, the division contacts. I'm
7 spreading that across the line, not recently, but
8 that's what I do.

9 What we don't do with site-specifics right
10 now is in detail is like overnight field welding. We
11 have a site-specific for field welding. So that little
12 bit of an increment because it's an overnight, it's not
13 a full blown site-specific for here.

14 Although, I said, I talked about before
15 Midway we just put in a new track at Midway, heavy
16 changes. Eighteen inch lateral, 24 inch vertical, put
17 in new switches and we just did 100 welds. We had a
18 site-specific for that because we brought three welding
19 gangs in to blitz it so we didn't have any situations
20 where trucks bumped into each other and things like
21 that.

22 We have a general program site-specific for
23 the particular surfacing gangs we have. Some are an
24 09-32. Some are 09-16. Some are Unimat 3S, Dynacat
25 like on the Harrisburg. They won't have a site-

1 specific in detail for over the road smoothing.

2 They'll be part of the site-specific if
3 they're in there in tandem with a tie gang or if we
4 bring a high speed surfacing to augment the TLS if the
5 surfacing gang is behind for whatever reason. Timber
6 gangs, general site-specific as they're doing timbers
7 and ties on the interlockings. They come to work
8 that's what they do.

9 Signal, site-specific by location. State
10 has its own site-specific as there's a different site-
11 specific with different goals and items to deliver at
12 dock for the signal reconstruction. So when we get to
13 an interlocking in New York, dock interlocking, Reagan
14 interlocking, down in Washington signal does have a
15 site-specific for that PM's responsibility at that
16 location.

17 Structures, wood and low level platforms in
18 Newark, Delaware not a site-specific. To replace a
19 bridge in Albany that's going to take an invasive
20 outage, absolutely site-specific. We don't normally do
21 like bridge decks.

22 The divisions do that. Our ballast
23 replacement is of the heavy nature undercutting, you
24 know, teeth are hitting the ballast. Not Railfax
25 although we use Railfax to prepare the holes, the cut

1 in and cut out holes for the TLM, that's part of their
2 program.

3 Rail, site-specific absolutely. That, all
4 of this includes our contract services for like when
5 we, Amtrak sells rail where is, there is, you know, or
6 where is as is some people say for ties, for rail. For
7 that stuff the contractors are part of it.

8 Our Holland (phonetic) welder is there with
9 our people working in tandem doing Holland welding.
10 That's part of the site-specific. And some of that at
11 times in a site-specific includes certain either best
12 practices, protocol or spec.

13 MR. WALKER: All right. Is the, is there a
14 specific form that Amtrak uses for these to document?

15 MR. PIELLI: I don't know if there's a best
16 practice on how to write a site-specific. I know
17 myself or my senior managers we'll push back and have
18 them redo it and add a feature or tweak it a little
19 bit.

20 But we're on the clock. We're watching it
21 and we do make changes.

22 MR. WALKER: All right. So it's not like a
23 form with a check off list?

24 MR. PIELLI: No, I wouldn't want that. I
25 wouldn't want that because then it seems, in my

1 opinion, if you have something like that it kind of
2 nulls it up, makes it a little foggy.

3 You want something that's going to get a
4 little spirit, shows a little bit of the courage and
5 the tenacity that somebody has to put together. And
6 you'll see the pride in some of these site-specifics.

7 I could share examples with you. And what,
8 Dick, you mentioned at the beginning if there was
9 anybody that wanted to come in that I would recommend
10 I'll say it now bring some of these managers in that
11 are writing these site-specifics.

12 I think you'll get a good snapshot of what
13 they're going through because they're under pressure.
14 They're under pressure to get the job done if it's a
15 weekend job and get a debriefing and get the adjustment
16 out and they're under pressure to provide that site-
17 specific to transportation as that's also a commitment
18 for the track outage, for the encroachment.

19 So those site-specifics would also include
20 the opposing signals, the period of performance that
21 we're going to be encroaching if we're going beyond a
22 certain signal because it affects operation. So the
23 site-specifics that we're writing also include an
24 element of the transportation limitations that we agree
25 on.

1 So you'll have the hospitals, what we work,
2 what our goal is to deliver and when we need adjacent
3 tracks out of service, when we need adjacent tracks as
4 a slow by or at times we'll even limit other work in
5 the area as one would not want to have five or six main
6 activities going on in one dispatcher's territory where
7 it could get a little complicated.

8 MR. WALKER: So is it the first level
9 manager above say a track supervisor or is it a
10 supervisor that does it?

11 MR. PIELLI: Victor Moss does the, he's
12 working with Deidre (phonetic). She's new. I hired
13 her about two months ago. He's in charge and
14 responsible for the production maintenance. So high
15 speed surfacing, the welding, the big tie gang, the
16 timber gang, division welding gangs.

17 Brady Holloway (phonetic) is in charge of
18 TLS, okay. He's got Ray Main and Eddie working for him
19 as supervisors. He builds that site-specific in
20 advance block by block.

21 There's no more general and it's been for
22 years. I haven't allowed any kind of general
23 forgiveness. So if a site-specific goes out maybe in
24 March and nothing else you've seen for the rest of the
25 year type of thing.

1 We audit our people all the time. What I
2 teach the people is, I mean we're there to introduce
3 change and I always say the best I can explain that I'm
4 a trackman. We either fix it, restrict it or take it
5 out of service.

6 So if you're walking with the mayor, the
7 senator, the FRA and you see something you change it.
8 You take action. And then you follow up and if you're
9 with the FRA you respect them and say I made the change
10 because the next time they're going to come and look to
11 see if that change is still in place and see if it's
12 still, you changed the rules, you changed what has to
13 happen and you're consistent.

14 And we haven't had any problems at all, we
15 have so many people out there we're making changes.
16 There's no doubt about it. And we're learning. We
17 learned this year and hey, I learn too.

18 The FRA told us you have to have an
19 oscillating light that you can see 360 degrees. I
20 never knew about that, to tell you the truth. You
21 know, and then we looked and the rule said on a heavy
22 machine.

23 So we were like why did we even put a light
24 on this machine. It's so small. But we learned. So
25 there's things I learned. But my sense when we're out

1 there we're introducing change it's how we communicate
2 the change so it's received and how we sustain that
3 change so it's part of the job.

4 MR. WALKER: All right. One last question.
5 So if I went to a TLS gang and I said can I see your
6 site-specific work plan would they have that available
7 for me to see?

8 MR. PIELLI: The supervisors and Brady will
9 have it on site.

10 MR. WALKER: They should have it on site?

11 MR. PIELLI: Yes.

12 MR. WALKER: Okay. That's all I have.

13 INVESTIGATOR HIPSKIND: Steve, Chris, did
14 you have anything? No, okay. Steve, if you'll speak
15 up if you have something.

16

17 MR. STEARN: Thank you, Dick, and, John,
18 thanks for coming in and speaking with us. So to
19 follow up a little bit on site-specific work plans my
20 question would be the information put together in all
21 these various plans is it somehow, is that data, is
22 that information stored and able to be used or
23 correlated to this next project things that have
24 worked, things that have not worked?

25 MR. PIELLI: We don't have a, I'm not aware

1 that we have a system that logs them all in or gives
2 them a number. But and not to get off topic, but at
3 times I'll take because we're hiring some new people
4 and they have railroad experience but they don't have
5 like northeast corridor experience.

6 Back when I was a kid all the big gangs used
7 to have like a blue book. It was blue and it was site-
8 specific with all the designs. It was all, it was very
9 like this. And it would say TLS 1980, TLS 1981 stuff
10 like that.

11 I'll sit down with these guys and show them
12 here's an example of one in recent times. Here's an
13 example of one in New York where you're going to go and
14 here's one in New York 20 years ago. Take a look at
15 this. Build your chassis.

16 Come back in and sit with me then we'll set
17 up a meeting with the people because by that point we
18 understand the scope. We've got a general idea of how
19 long it's going to take to get point to point before
20 factory and then we fine tune it to where the people
21 are involved, environmental is involved, all the
22 constraints are involved and that's when I take the
23 next step and move that like major league baseball to
24 the venue of final planning for our master schedule.

25 So it's like building all these baseball

1 teams to have their own plan before I mix them all up
2 and introduce them along the corridor at four hits,
3 depending on cycles.

4 MR. STEARN: In developing a site-specific
5 plan, are departments such as the operating practices,
6 are they brought into this for their input to, their
7 perspective to --

8 MR. PIELLI: We follow the rules. We follow
9 what all the elements of the rules of Amtrak in all
10 areas. We might at times reach out and need an
11 interpretation or something we're not clear on where I
12 would explain it.

13 Somebody makes a deal that we're not aware
14 of. We're only aware of things that we could see on a
15 bulletin order or see when the book changes. But
16 sometimes we have to be aware when a change occurs how
17 it can affect people.

18 One thing that I will say took a little bit
19 of time for all of us to get used to this year was
20 Amtrak decided to take the schedule out of the time
21 table, out of the special instructions. So I found a
22 lot of our foremen were keeping the package, the time
23 table that was previously, it was, you know, no longer
24 in effect in the back of their book because the new one
25 didn't have any times for trains.

1 So we made a call and what that drove was
2 people to pay more attention to the bulletin order.
3 Pay more attention to have particular commuter
4 schedules in hand based upon what territory you were
5 working.

6 It might have been, it is a convenience
7 probably for Amtrak because back in the day they had
8 all the commuter schedules in there and Amtrak
9 schedules. Well now it's one more thing that a young
10 person has to go and find out where to get it.

11 So what we do, we introduce on a Monday
12 morning before 6 o'clock we send out electronically now
13 to all our shops and our shops could be a hotel. But
14 we all have electronic communication. All the TSRBs,
15 all the bulletin orders and any changes go out on a
16 Monday as the bulletin orders come in effect Monday
17 morning.

18 So we had to make a little change to keep
19 that communication going or at least, I don't know,
20 when I was a kid under Rule 33, 133 I look in the book
21 and say okay, the train is going to stop here at 1
22 o'clock. Okay, we're good until 1 o'clock. You can't
23 do that anymore without having at least two pieces of
24 paper in your hand.

25 So when we notice it we adjust.

1 MR. STEARN: Some of my questions go back to
2 previous interviews and things they may have said. So
3 my question may seem irrelevant but they're going to
4 help me get a good understanding.

5 I think one of the questions and I believe I
6 heard you say earlier that you answer up to Andy?

7 MR. PIELLI: I'm one of Andy's direct
8 reports.

9 MR. STEARN: And you have, you should have
10 37 answering up to you?

11 MR. PIELLI: The production organization,
12 engineering and production as a whole. And we are from
13 Boston to Virginia to Harrisburg to Albany, 38
14 management positions at different levels.

15 Some report to higher level managers. But
16 there's 38 people in that organization.

17 MR. STEARN: Do your, do those managers
18 under you and yourself, do you all maintain your
19 qualifications?

20 MR. PIELLI: Most do. We always maintain
21 like RWP. I know I'm due soon for MW-1000 and NORAC.
22 All, we don't, although I do not everybody keeps
23 characteristics. I keep it. I kind of like to look at
24 the sheet.

25 It goes back from 1980. Not everybody does

1 that. It's not a requirement. But when it is a
2 requirement we do that.

3 MR. STEARN: You discussed mentoring a
4 little bit. And, you know, we go back a good ways.
5 And I'm wondering if you could just comment briefly on
6 how you believe today's mentoring program is best
7 serving our workforce as opposed to maybe how it served
8 them back when it was initialized?

9 MR. PIELLI: Well I'm just going to the
10 left. When I was a kid we were faced with a similar
11 situation although I was a lot younger. We weren't
12 Amtrak. We were Penn Central. We were breaking up
13 Penn Central, who knew what was going on.

14 But the railroad was smart enough to hire
15 retired foremen through a company called Ford, Bacon
16 and Davis to mentor us and I never forgot that. And I
17 really appreciated that guy that was 65 plus in them
18 days to retire.

19 And, yes, okay, he was like, John, if you
20 don't need I'm over in the tower. But he was always
21 there. He was my confidence. And when I had a spot
22 where I had a spike line or gauge and I didn't know I
23 could reach out to that and listen and learn and take
24 direction.

25 I respect him as, you know, he wasn't an all

1 start, couldn't run around in the track but I would
2 learn. And what I started to notice as we were, people
3 were retiring and we had, we still have a heavy
4 transition of people that just the training, the
5 detailed training, the specs, the classroom, the
6 talking about the penalties and fees and stuff it took
7 us a long time.

8 Not that we couldn't do it. It took us a
9 long time to get somebody to where they were fairly
10 competent to get the job done. What people had done in
11 the past was they promoted a supervisor to watch a
12 foreman learn how to be a foreman.

13 So when we, when I introduced the mentoring
14 program it worked out well. I had a lot of conflict
15 with people why are we doing this, you know, cost and
16 things like that. But I think I went pretty much
17 through that.

18 It's pretty successful and it's ongoing
19 today. But my sense is it helps increase the field of
20 awareness. It helps people understand that they can
21 predict the expectations of what they are going to
22 introduce. You know, until you do it you don't know
23 what you're going to get out of it.

24 Some of the mentoring can say, listen, if
25 you do this, this is what you can expect. I know it's

1 helped a lot with the track inspection. We had some
2 track inspectors that came right out of school and
3 were, and our situation at the time was we were
4 awarding new foremen to track inspection capacity
5 because they were qualified with not a lot of
6 mentoring.

7 And it's, it was to me not a good scenario
8 where you took a guy from school and put him right out
9 in the field without having a boss, without having some
10 kind of shadowing, without having some idea of what the
11 parameters were. As we work and we advertise training
12 the people are locked in to being forced assigned to a
13 job.

14 Most times the jobs were good. Sometimes
15 the jobs were like nobody wants it. So with that, we
16 had the confidence of looking through the keyhole,
17 looking at a job that was maybe not a super favorable
18 job, looking at a student coming out of school and
19 targeting a mentor there to kind of balance things out
20 from the beginning.

21 MR. STEARN: So then I get the sense, I
22 don't want to put words in your mouth, that you would
23 believe that like a foremen school while it is
24 beneficial without the addition of mentoring it may not
25 produce the quality or the product --

1 MR. PIELLI: Not in a reasonable time.

2 MR. STEARN: What would you say is a
3 reasonable time?

4 MR. PIELLI: Depending upon the territory
5 track inspector fundamental maybe three or four weeks
6 because he's got to traverse his whole territory in
7 different directions. He's got to do the switch
8 inspections.

9 He's got to know his interlockings and he's
10 got to go through every switch he's got. Sometimes
11 that's a cycle of at least a month.

12 MR. STEARN: The corporation hire a young
13 man and he would be out there in an entry level
14 position but trying to advance himself and move himself
15 up. And in a short time he would have reached a
16 threshold where he could potentially enter foreman
17 training.

18 Do you know how long that takes from his
19 date entering service until such time he could be
20 accepted into such training?

21 MR. PIELLI: The foreman training, as I
22 understand it, is awarded by seniority, seniority and
23 class. It also depends on, if I get this right, how
24 many vacancies are selected to be published per zone.

25 Like the northeast corridor is segmented in

1 BMWWE subset zones. So if you have a Zone 57 it might
2 be a Philadelphia region the Philadelphia division
3 would have two or three vacancies and they would put in
4 the process of paperwork to have training positions
5 advertised as a result of positions being advertised
6 with no bids received.

7 Those zones compile a class capacity of the
8 training department for either a once, twice or three
9 times a year. So there's really no graduating class
10 out of an MW-1000 unless there's a need to find
11 vacancies.

12 So we might have, at times there's a burst
13 to add to staff qualified people. And as I understand
14 it, a class isn't generated by a vacancy. A class, a
15 group, a population of new students is generated by the
16 result of jobs being readvertised and no bids received.

17 But we don't, no longer have a constraint
18 that I'm aware of that forces people to stay as a
19 foreman. When I was a kid when I finally got to being
20 a foreman and I would say this is to the left of '93,
21 if you were a track foreman in class and you bid out
22 you lost your rights. That's changed.

23 So now even though we're graduating and
24 promoting and mentoring and growing foremen while we're
25 talking foremen, we don't have the ability at any time

1 to stop them from bidding other jobs.

2 MR. STEARN: So there's no real incentive
3 for these people who go through the education or
4 mentoring program to make that position it proves to be
5 financially beneficial?

6 MR. PIELLI: I would say and don't quote me,
7 don't take me out of context. Around 2007, we --

8 MR. LANDMAN: You are going to be quoted
9 because this is on the record.

10 MR. PIELLI: Then I'll say in the 2000s
11 working with regular labor relations and all the
12 elements of Amtrak we introduced a bonus to the foremen
13 because we recognized they were leaving as an incentive
14 for them to stay a foremen for an entire year. If they
15 stay a foreman for an entire year they get a bonus. So
16 that, to try to answer your question.

17 MR. STEARN: And that was in 2008.

18 MR. PIELLI: I was close.

19 MR. STEARN: So you and I both have been
20 around a while. We both started as trackmen and when
21 we started there were tons of trackmen. We were
22 tripping over trackmen and now not so many trackmen as
23 there were.

24 However, in recent times we have seen as a
25 result of attrition and other factors some would say

1 significant hiring. Would you have any idea as to the
2 relationship on the property between those who you
3 would use the word seasoned veterans versus those with
4 let's say less than five years of service and
5 experience? Do you know what that balance, ratio might
6 be or have any thoughts on that?

7 MR. PIELLI: Nothing specific, Steve. Our
8 big tie gang in Harrisburg is 60 percent people that
9 were hired with less than a year's service. Our TLS
10 Blue team maybe 20 were less than a year. New England,
11 Springfield line where we burst we just hired 50 people
12 up there.

13 It does, I don't have the statistics in
14 front of me. But there's a good mix. Some more than
15 in others. But part of the job at that particular
16 location is hard to focus on certain things when you're
17 dealing with new people.

18 We had a situation last week on the
19 undercutter. We had 13 people and normally with and
20 you're smiling, we had 13 new people didn't understand
21 the rules. So, you know, it come to my attention and I
22 explained to them, you know, sometimes with new people
23 you don't know how deep you are before you're too deep
24 to get out.

25 So we did a little set up with the union and

1 we sat down and we communicated. So now they and
2 actually they apologized and we move on. It's not a
3 matter of discipline. It's so people understand what,
4 how they can work.

5 MR. STEARN: And thank you for that. But I
6 guess more than the question my concerns are in the
7 level of training that these newer employees, these
8 less seasoned employees are receiving. So my question
9 to you would be do you feel that the training regarding
10 either operating equipment or foreman training, do you
11 think that it is adequate, satisfactory?

12 Would you give it a grade, in your
13 experience you're seeing the graduates? How are they?

14 MR. PIELLI: New trackmen or new people are
15 learning from inception. You work with that. You put
16 them with a team mate. Put them in a crew that you
17 recognize you don't have 19 new hires and one seasoned
18 person.

19 You give them a chance to be able to kind of
20 flatten out. Foremen it depends on the people
21 sometimes, the particular individual. Not everybody is
22 the same. But you've got to be there when they're
23 introduced to the work to be able to understand in
24 general without looking in a cookbook not knowing the
25 guy's rap sheet on how they're going to develop.

1 You continue that communication. You're
2 talking with that supervisor. You're talking with that
3 veteran. You're making sure they're working together.
4 Like being a track pilot. You normally have them work
5 with a seasoned pilot to go over the road, to right the
6 train over the first time, the second time.

7 They understand how to put a barricade up,
8 how to put a shunt into place, how to keep the books
9 up, where to keep their tools in their trucks. I
10 always say every gang has its own little culture.

11 So when you're in Steve Stearn's gang Steve
12 Stearn runs his gang the way he runs his gang. It's a
13 little bit different. You follow the rules. You pay
14 particular attention to the most important rules and
15 some of the stuff you work through.

16 But you recognize soon enough with a certain
17 level of aptitude and knowledge on how much effort you
18 have to introduce to somebody and feedback and follow
19 up until they become stand alone, until they get the
20 confidence and the courage to be able to be out there
21 in the front doing the job. It takes a while.

22 MR. STEARN: There's a lot of projects going
23 on down there and a lot, some of them are very
24 complicated engineering wise and logistic wise and
25 operating rule wise.

1 Would you prefer to take some of these
2 seasoned veterans, some of these more experienced
3 foremen who you've worked with for a long time who you
4 are comfortable in their abilities and would you prefer
5 to assign them to the more complicated areas and hold
6 back your less experienced foremen for some of the more
7 mundane type work? Would that be a general perception
8 on the property?

9 MR. PIELLI: In general that's a good
10 thought. It's not reality. It's not reality. We
11 don't have the ability to assign seasoned people. When
12 we have somebody that's weak or not fully competent to
13 a certain extent we have to augment them with someone
14 else.

15 We have to put somebody else there that has
16 seasoned on a temporary basis. We have the ability for
17 30 days to pretty much assign anybody without creating
18 a position. So sometimes we'll work that out, you
19 know, you go there for a couple days and you're going
20 to work with him to show him how to do this at least
21 your way.

22 And then there's always the way they can
23 manipulate it to where they're comfortable because
24 there's not only one way. And we'll pay your travel
25 time to go there for a while and mentor them and we do

1 that.

2 We also recognize when we're doing something
3 that's totally different that everybody needs an
4 education. Some of the stuff we're doing in New York
5 is totally out of the picture. You know, I was up
6 there Tuesday and I'm there with senior managers down
7 to foremen going over some of the heavy work we have to
8 do in New York because we haven't done it before.

9 You know, we haven't attacked a situation
10 like that. But if we had a pool, you know, and to me
11 it's little arbitrary, but if we had a pool to be able
12 to select somebody to go somewhere I don't know if you
13 could do that working with people.

14 How would you measure that? How would you
15 know? And once you know yourself unless you're an
16 expert how can you really pick the best guy to go
17 whether you would or not?

18 MR. STEARN: Well I don't know. But I'd be
19 interested in hearing your thoughts on how you would be
20 able to turn out the best product at the end of
21 training whether it be --

22 MR. PIELLI: What we teach the people,
23 Steve, is based upon what you're doing today, this
24 project, this region, this is the envelope. This is
25 the circle of effect that you have to learn.

1 I will say this, you could be working for
2 Amtrak for 20 years and be a contractor protection
3 foreman and be the best contractor protection foreman
4 that anybody has ever heard of, never heard a peep out
5 of took track and gave it back a million times and it's
6 perfect. And then for whatever reason you move, your
7 family moves and you get in a situation where maybe you
8 have the inertia to want to become a track inspector in
9 New York.

10 Your life changed. So it's when that change
11 occurs is that the levels of management and the way we
12 work are welcoming you and say listen, this is how we
13 work here. You've got to get it. This is how we do it
14 here because every place is different.

15 MR. STEARN: So with all these projects in
16 the pipe and the complexities that we have started
17 realizing as opposed to the type of work we did 20, 40
18 years ago there are going to be new challenges facing
19 getting workers to being able to perform those tasks.
20 Has the corporation been discussing any --

21 MR. PIELLI: I know I penned a letter in May
22 that went through the leadership that went to the BMW
23 requesting contract positions in key positions in all
24 the heavy corridor gangs. I haven't heard back from
25 anybody on that yet.

1 And that would be to introduce required,
2 specialized, very costly training, for example, on how
3 to break down a processor on a tamper, how to be a
4 contract operator on a Kito (phonetic) crane that could
5 lift 125 tons with the CAT.

6 And I spelled them out for a Kito crane,
7 undercutter, TLM and railroad repairmen. Part of what
8 I penned was also the core contracting out the foremen,
9 the repairman and the key operators as a team to try to
10 answer your question.

11 So we had a team that we can introduce heavy
12 and very costly training, a higher level. But we would
13 be able to lock them people in for three years on that
14 job where right now no matter what training we
15 introduce with good faith and then details the
16 limitations or the limits of when they're forced to
17 sign the job is very, very, very short.

18 So even when we take and we step forward to
19 try to train that new student to be an all star it's a
20 very difficult situation. We put up Kito crane
21 training, to give you an example I believe in January.
22 We went back and forth with people bidding the job for
23 training that had no experience in aerial or hoisting.

24 We got eight employees with no crane
25 experience to bid the training. I hired a consultant

1 who was Harvey Cooper who was a retired trainer, Kito
2 crane operator who lives in Kansas to come back and
3 augment our training.

4 And the training has gone on now for 12
5 weeks and we're down to two people, the six people
6 quit. So that's just one example, maybe not the best
7 of how we're trying to introduce the proper training,
8 the environment, taking the crane off line and putting
9 it in a yard so they can pick up all this type of stuff
10 and work safe.

11 And we're struggling with being able to
12 maintain that capsule, that level of qualification with
13 the employee to be able to put it to useful work.
14 That's just a little bit from John.

15 How we can do better, to me and I'm not a
16 corporate officer, is to improve that situation where
17 when we train people might have the option to opt out,
18 you know, you go into say training six weeks and you're
19 in a week and you're like I don't want to do this.

20 Yes, just go back, go back and do what
21 you're doing. But if you're there and you go through
22 that whole sphere, that whole training you're able to
23 provide that resource to the company that's effective
24 and not bid out to another job.

25 I have people in our organization that take

1 eight months to become an undercutter operator, right.
2 And it's not eight months of training. It's eight
3 months of they're doing certain increments or certain
4 locations on the undercutter or TLM. We call them
5 stations.

6 But then the trainer has to come and visit
7 so they can see them demonstrating their skills. When
8 they demonstrate their skills you have to be actually
9 doing that activity. So if you're not doing that
10 activity for a month you have to wait until that
11 activity arrives like a cutting hole or something like
12 that.

13 If you're working a small crane you have to
14 have that opportunity set up where you're threading
15 rail. So sometimes when you think it's three weeks of
16 heavy training we don't have a training base or stadium
17 where you can take a crane and do 16 features with it
18 in two weeks and say you've commanded them all.

19 It's also attached to the environment and
20 the work. Like if you was to take a locomotive you'd
21 have to run it over the road to be familiar with it
22 outside of working in a simulator. We don't have a
23 simulator for track department.

24 So you have to run that situation in the
25 field in a live environment. You can do it in the

1 yard. You can do it off track, limit the locations.
2 But when we're doing all this some of the things we
3 could do better is have a binding agreement to have the
4 people that are there stay in the classification.

5 I've had undercutter operators go through
6 all the training and the first opportunity they get
7 they bid a tamper and they take six months on a tamper.
8 Well we just lost the undercutter operators.

9 And I have people that are foremen and they
10 go through the foremen training. They go out and get
11 mentored. They do the whole stat, the whole book and
12 then they decide I'm going to be a truck driver and
13 it's difficult. It's difficult.

14 So things maybe in my opinion, while I'm
15 talking here that we can do better is to come to some
16 kind of binding agreement or some kind of lock in. And
17 I'm sure somebody will be asking for a little bit money
18 per hour to try to work something out like that.

19 But that is something that I would say
20 openly that we can do better.

21 MR. STEARN: Your thoughts on assistant
22 foreman positions, yes, no, maybe so?

23 MR. PIELLI: I don't know. The railroad I
24 started with when I was a kid off third base and there
25 was corn growing in the tracks your assistant foreman

1 ran the gang. The foreman usually had three assistant
2 foremen and they weren't there every day.

3 But a supervisor was the management job and
4 there was no assistants. There was no supervisors.
5 Back in the day the assistant foremen were put up as a
6 step to become a foremen then it became an issue with
7 are we paying the assistant foreman the same rate of a
8 machine operator?

9 So what we did in the production gang is we
10 got rid of all the assistants and we put additional
11 foremen. So instead of having an A foreman and three
12 assistants, right, we'd have four foremen. I don't see
13 that, after the classification change was released is
14 any benefit.

15 Before you used to have to stay trackmen
16 assistant the foreman, foreman. You aren't in that
17 classification you lost your rights. Trackmen, machine
18 operator, EWE, you want to be a foreman you lost your
19 rights.

20 TLS, undercutter, interlocking SES five
21 cents more an hour. You stayed in those organizations,
22 five cents more an hour, separate rosters. You get a
23 ballast around November or whatever that was. The call
24 back was TLS as a priority.

25 You didn't go back to TLS you lost your

1 roster. All that's gone in the 90s. So everybody in
2 BMW, other than some contract operators of tampers can
3 go up and down, left and right, whatever they want and
4 it's a difficult situation.

5 MR. STEARN: And thank you. No more
6 questions from me.

7 INVESTIGATOR HIPSKIND: Theresa, anything?

8 MS. IMPASTATO: I have one question. John,
9 could you describe the process that you use after a job
10 has been completed for evaluating the safety and
11 success of the job?

12 MR. PIELLI: Well in general we look at all
13 the debriefings, all the cycles. A job, a project
14 might take 90 days or it might take a week. Depending
15 upon the duration or the period of performance what we
16 had to deliver on impacts we had some unknowns, some
17 knowns.

18 I talked about it before, impact could be
19 not enough ballast as we had calculated. Something
20 else impacted us. Material not being delivered.
21 Amtrak, I always say and I said it today is a broke
22 company. We're a small company, believe it or not.

23 When we go to buy turnouts we're up against
24 the UP that might put an order in at NORTRAK which is
25 in Birmingham for 800 turnouts. We want six. So

1 sometimes our list of things, our bill of good is put
2 down on the bottom of the list.

3 Also Amtrak at times has to make high level
4 decisions with purchasing material. Amtrak buys
5 material the process in engineering is we report when
6 we put it into the ground. So that's when it gets
7 charged to a particular project.

8 But Mother Amtrak pays for it from the day
9 one. So when you're the CFO and you have hundreds of
10 millions of dollars in inventory a decision at times
11 might be you don't have a line item going to the board
12 for advanced long leave material. So material
13 sometimes effects us.

14 And based upon our financial cycle which is
15 October 1st when it is approved you might find out that
16 the factory is already sold out for the next eight
17 months because you're looking for a commodity. So
18 those could be things.

19 Things that we could find in the interim or
20 be impacted with is one or the other hits that I talk
21 about somewhere. There's temporary speed restrictions
22 posted as seasonally the northeast corridor has heavy
23 rains, unstable road bed, slow orders, mud spots.

24 So sometimes that impacts your work based
25 upon you need to foul an adjacent track or trains are

1 not hitting on time. Also what happens Amtrak has a
2 responsibility to run third party freight.

3 So there's particular times in America where
4 for the last couple years America starts running a
5 whole lot of oil trains from North Dakota to Delaware.
6 So in those areas it changes the plan.

7 Sometimes changes to the plan could be a
8 project put up 25 positions and you lost 25 of your
9 people so you have to make an adjustment. You have to
10 make a safety adjustment. You have to make a
11 productivity adjustment. You have to make an outage
12 adjustment.

13 Sometimes you might have a situation where
14 people do something wrong and there's four or five
15 people out of service and it impacts you. We're not
16 having the right level of people there to get the job
17 done and you have to adjust.

18 MS. IMPASTATO: Do you hold meetings --

19 MR. PIELLI: Yes.

20 MS. IMPASTATO: -- with your managers to
21 talk about that?

22 MR. PIELLI: Yes, we have not, I'm not one
23 for staff meetings. I usually have them quarterly.
24 I'm one for me and my and the leaders that are directly
25 reporting to me we're up at 4:30 in the morning.

1 We're on the clock seven days a week. We're
2 working all the time. That's what we do. If we
3 weren't like that we wouldn't be here. It doesn't
4 stop. My cell phone actually today is probably the
5 first time you won't find it on because I left it in my
6 office because I was coming here.

7 But we're on the line all the time. We're
8 there for all our people. We know who is responsible
9 for each shift. We know what we're supposed to
10 accomplish in each shift and we know when things go
11 wrong or things that are unplanned on how to handle it.

12 MS. IMPASTATO: Thank you.

13 INVESTIGATOR HIPSKIND: Ryan, I want you to
14 cover some of the risk management stuff and I'll bounce
15 over to you, okay.

16 INVESTIGATOR FRIGO: John, thank you again
17 for being with us today. And, you know, I just want to
18 say that, you know, I think in one word I can sum up
19 the past two hours of conversation and that's engaged.

20 I think it's just very evident how engaged
21 you are in the process that exists, in the, you created
22 most of it. And I just, you know, am very impressed
23 with your grasp of everything going on.

24 And if we could just go back to large gangs,
25 lots of men, lots of equipment, northeast corridor,

1 high speeds, you know, what is that hazard analysis
2 process that goes on to say, you know, we're
3 comfortable with having, you know, x, y, and z pieces
4 of equipment with whatever number of men adjacent to
5 high speed passenger train sets?

6 MR. PIELLI: The best way I could try to
7 explain that is most neighborhoods have a place where
8 there's like a park. And the park, I ride motorcycles,
9 I go around. The park usually has a trail.

10 And the trail has a little A to B, you're
11 going to see this, B to C you're going to see that.
12 Well as we introduced these rolling mobile factories,
13 that's what we are you're looking through the keyhole
14 and you're seeing what's along that path.

15 What's along that path, like I said before,
16 you look at it mathematically in physics, horizontal,
17 vertical planes, lateral changes, vertical changes.
18 Now we're by nature in a cut three tracks, four tracks
19 where tracks converge how many wayside sightings you
20 have?

21 How many freights are going to service local
22 industries? Big decision sometimes is to transload and
23 shutting the place down. New England we had to do it a
24 couple times.

25 There was the one place that makes those

1 pneumatic hammers. I forget the name of them. You buy
2 them in Home Depot, the yellow hammers that drive those
3 nails?

4 MALE PARTICIPANT: Dewalt?

5 MR. PIELLI: Excuse me.

6 MALE PARTICIPANT: Dewalt.

7 MR. PIELLI: No, not Dewalt. The other
8 company.

9 MALE PARTICIPANT: Stanley.

10 MR. PIELLI: Excuse me.

11 MALE PARTICIPANT: Stanley.

12 MR. PIELLI: No, shit. It's right there in
13 New Haven. It's right there in New Haven. They had a
14 transload because we were plowing their track and
15 there's no way a freight train could get to them.

16 And they moved to Mexico the week after we
17 got done. But Amtrak had to pay to transload their
18 factory. So it all depends, the best I can explain is
19 the pipeline and then what's outside the pipeline.

20 I always say if you send surveyors to survey
21 this make sure this is what you want that you didn't
22 need this. So you want to look at where you're working
23 and look at the surrounding areas.

24 What also helps is to be aware just
25 something simple as looking at the track usage in the

1 territory to see what else is going on that night. As
2 we're looking at any train, any track, in any
3 direction. But I'll tell you a seasoned guy as a
4 leader, he's going to look out to see what the hell is
5 going on.

6 When am I going to get foul? How am I going
7 to beat the other guy to get the job done? But you get
8 an idea of what is going on in that fish bowl at night.
9 The person that goes out and just looks for am I
10 getting track and goes to work and doesn't study the
11 track chart, doesn't get a chance to know what else is
12 going on he's going to be impacted or she is going to
13 be impacted by a call perhaps 2 o'clock in the morning
14 can I have permission to enter your out of service
15 track.

16 So it's all about being aware of what's
17 going on. And that's what we teach our people. It's
18 paramount. I drive it into our people and sometimes
19 I'm criticized for that from up above.

20 But that's how we can continue to maintain
21 safety, how we stay on the throttle and how we get the
22 job done.

23 INVESTIGATOR FRIGO: And as speeds increase
24 as that's the ultimate goal, how do you see that
25 philosophy evolving to increase that level of safety

1 and protection again for those men and equipment?

2 MR. PIELLI: Well I find we've, I know I've
3 been out there where we've had to make a decision where
4 we've had to rebrief. Stop, and you're making no
5 sense. Nothing dangerous but it's getting you down the
6 path that you don't want to go. We've had to rebrief.

7 I know I make a decision with our group as
8 we know in advance where we're going in our program to
9 add the staff. I know I added eight trackmen to the
10 undercutter to work Carroll to Bowie on Track 2 instead
11 of Bacon to Davis on Track 1 just simply because the
12 vertical curves for the line of sight.

13 You've got to anticipate what you think you
14 need in that tool box of people and machines before you
15 get there otherwise when you get there you're not going
16 to get what you want.

17 INVESTIGATOR FRIGO: And do you, you know,
18 using that example that you just provided, do you think
19 that using site-specific work planning and the hazard
20 analysis tools that go along with that, do you think
21 that helps achieve?

22 MR. PIELLI: Absolutely, absolutely. We
23 ultimately leave a cushion in there where a foreman who
24 makes that final decision can provide more than
25 adequate safety with RWP. And the supervisors that

1 work in my group and managers are aware of where the
2 adjacent gangs are working and they interact and I use
3 the word they steal people left and right.

4 They borrow each other's resources. They
5 borrow each other's people and actually that's what I
6 want. I don't want anybody working where they're short
7 and they're at a disadvantage.

8 INVESTIGATOR FRIGO: Thanks, John.

9 INVESTIGATOR HIPSKIND: Dr. Beaton.

10 INVESTIGATOR BEATON: Good morning, John.

11 MR. PIELLI: Hi.

12 INVESTIGATOR BEATON: I'll echo the thanks
13 that you've heard from others here for spending time
14 with us this morning. I just have a few questions and
15 I want to learn from you.

16 So let me ask you, let me start by trying to
17 get an understanding of where you are within the Amtrak
18 organization. You report to who?

19 MR. PIELLI: I report directly to Andy
20 Keefe.

21 INVESTIGATOR BEATON: And Andy reports to
22 whom?

23 MR. PIELLI: Rodrigo Battara (phonetic).

24 INVESTIGATOR BEATON: Okay. And what's the
25 next level of reporting?

1 MR. PIELLI: For who, for Rodrigo?

2 INVESTIGATOR BEATON: Yes.

3 MR. PIELLI: Is D.J. Stadtler.

4 INVESTIGATOR BEATON: And then Stadtler
5 reports to Boardman?

6 MR. PIELLI: Yes.

7 INVESTIGATOR BEATON: Okay, and who reports
8 to you?

9 MR. PIELLI: I have Ralph Smith reports to
10 me. He's a senior, of course our titles change, as the
11 senior manager of track. I have Terry Tiller. He's a
12 senior manager of signal. His responsibility is from
13 Philadelphia to New England.

14 I have Steve Bagasse (phonetic). He's
15 signal. His responsibility is Philadelphia to
16 Washington. I have Mike Travelino (phonetic). His
17 responsibility is construction lead in New England both
18 on the shore line and the Springfield line.

19 We have Kristin Lease is a woman. She does
20 an excellent job in our structures group. And I have a
21 vacancy right now in two locations, two units for the
22 secondaries. But the principles are Brady Holloway is
23 our TLS Blue team and J.P. Miller is our undercutting
24 team.

25 INVESTIGATOR BEATON: Okay. So it sounds

1 like you've got about eight direct reports or so?

2 MR. PIELLI: Yes. And I have, Linda Murphy
3 is our staff engineer. Again, our titles change. And
4 I have LaTonya Barber is an analyst that makes you, you
5 know, takes care of the stuff that you want to jump out
6 the window when it comes to finance and stuff like
7 that.

8 And we have a chief clerk, Jamie Daniels.

9 INVESTIGATOR BEATON: Okay, good. And under
10 each of those senior managers that you have I assume
11 there's an organization of more direct reports. At
12 some level beneath you there are the people who
13 actually go out and do the work.

14 How far below you are the, is the backhoe
15 operator?

16 MR. PIELLI: The conscience of the workforce
17 reports in all aspects to a supervisor. The
18 supervisors report, although some have assistants,
19 assistant supervisors. The supervisors report to like
20 a field manager.

21 The field manager or manager of operations
22 reports to a senior and the senior reports to me.

23 INVESTIGATOR BEATON: Okay, good. That's
24 very helpful. As Ryan indicated, you are very engaged
25 and I'm sitting here listening and smiling as you

1 described various or answered various questions
2 describing processes here at Amtrak.

3 And I have to kind of tag on to Ryan by
4 saying I think you have a pretty mature sensibility
5 about safety. I see in your words that safety is kind
6 of integrated into the fabric of what you do. Is that
7 a fair statement?

8 MR. PIELLI: I don't do any work without
9 knowing what the expectation is going to be before I
10 start.

11 INVESTIGATOR BEATON: From a safety point of
12 view?

13 MR. PIELLI: But if you wanted to define
14 that as safety, then it's safety.

15 INVESTIGATOR BEATON: Okay.

16 MR. PIELLI: That's the way I work.

17 INVESTIGATOR BEATON: I'm just wondering
18 where, how did you develop that mature sense about
19 safety? Is that something that you learned from
20 Amtrak?

21 MR. PIELLI: I don't have an answer for
22 that. All I will tell you is when I was a kid somebody
23 asked me if I wanted to work for the railroad and I was
24 on third base and I said I'd give it a shot.

25 And I don't know, in a horrible situation

1 I'm pretty proud to be able to help Amtrak. When I was
2 a kid I would say I didn't know much. But I was able
3 to be one of the leads for like when we had a
4 catastrophic situation on 188 to be able to be sent
5 with Dick ten years ago in Flora, Mississippi and have
6 people depend on me.

7 You know, nobody knows their destiny. I
8 take it serious. I take it serious all the time.
9 Everything, me and my family have is Amtrak. I raised
10 two boys and a daughter. My daughter went to college.

11 I'm first generation American. My father
12 came over on the boat in '32. I made the best of my
13 situation. That's all I can tell you. Amtrak has sent
14 me to Penn State, sent me to University of Wisconsin,
15 sent me to George Washington University, sent me to the
16 west coast.

17 I never knew it was dry out there, you know.
18 I had a lot of opportunities. I'm still here. I like
19 it. I could retire. Right now I'm not ready to sit in
20 the garage, you know.

21 INVESTIGATOR BEATON: I respect everything
22 you say and I also just say congratulations, you're a
23 lucky man. Let's talk a little bit about the accident
24 that we're here to understand.

25 The gang that was doing the ballast

1 vacuuming, did they report to you? Are they in your
2 shop?

3 MR. PIELLI: They didn't report to me and
4 when that occurred I actually was a, you know,
5 everybody's got a rap sheet. My rap sheet is to try to
6 survive in my life and keep my teeth.

7 And I had a surgery and a long story I have
8 teeth that they're rescind and they have to open up
9 your gums and add bone. And I was off line for a
10 couple of days.

11 INVESTIGATOR BEATON: Okay. So this gang in
12 this accident is in a, reports up through a different
13 organization than yours?

14 MR. PIELLI: Division engineers
15 organization.

16 INVESTIGATOR BEATON: Okay. From your
17 vantage point and I appreciate the fact that you're
18 involved more with the heavy construction, when you're
19 working, when you have a gang out in the field in a
20 territory where there's some parallel tracks, three or
21 four parallel tracks and one of them is open for
22 traffic, I think Ryan sort of breeched this topic with
23 you, what sort of expectations do you have for, from a
24 safety point of view for trains moving through that
25 hole on the open track when you've got a gang maybe

1 with equipment on other tracks.

2 They've taken the track, their tracks out of
3 service. But there's one open track. What sort of
4 expectations would you have from the operations people
5 as they move trains through that area?

6 MR. PIELLI: I don't understand your
7 question. I mean we have a daily business sheet that
8 lays out the programmed outages during the overnights.
9 Unless something is broke within the infrastructure
10 there's no daily outages at all except for these big,
11 heavy construction outages that my group introduced for
12 infrastructure or total replacement.

13 There's always concurrent activities going
14 on with foremen fouling and of any craft or occupying a
15 track temporarily or even protection for RWP. And for
16 the preponderance of how we work we do it over the
17 radios so everybody has a good foundation to try to
18 hear what someone else is doing because you can learn
19 by that sometimes.

20 I know for years now we've been making sure
21 our railway equipment when it comes out of the shop or
22 it's commissioned it's introduced to the field with a
23 radio, working radio. But I don't know exactly how to
24 answer your question.

25 INVESTIGATOR BEATON: Yes, and I apologize

1 if I'm being a little vague. I mean maybe it might
2 help if I gave the analogy or an example. If you are
3 out on the highway and you came up to a construction
4 area while you're lane may be open there's equipment in
5 the other lane.

6 It may be blocked or closed and most areas
7 we slow down and move through it with some degree of
8 greater attention to what's on the wayside and that
9 sort of thing. In the railroad world, in your world,
10 in the Amtrak world when you have equipment that's
11 fouling or you've got tracks that are out of service
12 and you have a hole that you can get through, would and
13 I know it's okay to send a train at speed through that
14 hole.

15 But is there some expectation or desire from
16 a construction department's point of view for how that
17 train should operate through that hole?

18 MR. PIELLI: I see it like as if you were
19 going to go on the Jersey Turnpike and you stop at a
20 toll booth they're going to give you a slip saying from
21 Mile Post whatever to Mile Post whatever one lane is
22 closed down. And then you get close and what do you
23 see, some cones or a truck and you divert.

24 We do the same thing. We know by the track
25 usage that's approved what the business is, what our

1 bulletin orders are, what are general notices that
2 changes things or makes us aware of unsafe areas.

3 But when we do a release of track that's all
4 in accordance with the rules I have the confidence that
5 the rules have enough depth with different layers to
6 protect us even perhaps if one situation might not be
7 as preferred as it should. But as far as release of
8 track, from one of the operations I'm responsible for
9 so you understand we're recommissioning all the
10 systems.

11 It's not a temporary take the track out and
12 give it back. When we go in we obliterate the place.
13 We change the way the world is. The signal system
14 comes down. The power comes out. PTC is dismantled.
15 Track is removed. Road bed is replaced.

16 And when we go and recommission it all those
17 systems come back in increments, in increments where
18 all the departments are communicating and there's a
19 process and a specification for every one of those
20 commissioning of systems and including the operation of
21 trains and how trains are going to be focused and
22 governed as they enter the newly commissioned track.

23 It could be absolute block which we have a
24 situation where haven't proved a signal system. So we
25 let one train go in. He reads the signals. Well we

1 don't put a train in behind him, I'm giving you an
2 example, until we know that train is clear of the
3 block.

4 And we have to validate all the systems.
5 Same thing with the catenary. The grounds come down.
6 We always work between grounds. Our foremen sign off
7 on the clearance when we take the power out. It could
8 be a DC, could be an AC, could be an AC and DC.

9 So we all know. That's part of the site-
10 specific. That's part of the communication. That's
11 part of the job briefing. When we put up supplemental
12 shunting devices we verify the shunt. We get
13 permission to go on the live track and certify the
14 shunt and strap itself before we put it on the track.

15 We look at our foul time books. We audit
16 and look at radio communication. Actually modern times
17 now I can call any assistant STO, superintendent of
18 train operations they send me a blurb on the computer.
19 Now I could listen to my own people talk at any given
20 time.

21 We've had situations, in the spring I had a
22 ballast regulator derail. It was pushing ballasts. It
23 had actually lifted up off the rails with a new
24 operator. What happened? He derailed. It came back
25 down off the rails.

1 Not fouling. They call out emergency,
2 emergency, emergency. Some of the new people they know
3 they're supposed to do that but they don't understand
4 the impacts.

5 What the impact is in a situation like that
6 along the northeast corridor is anybody that hears that
7 radio communication stops. So now with modern
8 technology and good, profound communication with the
9 radios you'll find that trains 15 miles away came to a
10 stop.

11 So what happens with our new locomotives
12 through our leadership 15 minutes later I get a picture
13 of the site. Why, because all our new trains got a
14 camera on the front.

15 INVESTIGATOR BEATON: While we're talking
16 about this and excuse me, I need to get my computer
17 back. When you have a gang doing a big job and they're
18 spending some time out there and there's a shift change
19 or one of the foremen is going off duty and another
20 foreman is coming on duty, does that moment in time
21 when there's a shift change, does that present any
22 unusual or heightened risks or hazard for, in your
23 thinking, about from a safety point of view?

24 MR. PIELLI: Well it's a transition between
25 one shift to another. In my working group it's always

1 face to face. It's never over the radio. It's a full
2 understanding like we used to have back in the day when
3 the towers were the towers.

4 Three shifts a day, what's going on with the
5 businesses. What's happening? Slow orders, what's
6 entering in the out of service. Get a copy, it's
7 always face to face. We do it every weekend in New
8 York probably four or five different projects and with
9 a 55 hour outage we normally work five shifts.

10 So there's five cycles every weekend. When
11 we're working in the interlockings with different
12 disciplines it's five shifts on the weekends. When
13 we're working on TLS undercutter it depends on what
14 shifts we have back to back, we do a face to face.

15 INVESTIGATOR BEATON: Okay. And do your
16 foremen get any special or particular training on what
17 to communicate and how to communicate during a shift, a
18 watch turnover?

19 MR. PIELLI: Yes, the key components they
20 know and they're trained. And the NORAC explains how
21 to either annul or cancel orders that are important,
22 that govern the situation and we do that all the time.

23 INVESTIGATOR BEATON: During that shift
24 change, particularly when you've got a track out of
25 service or you've got foul time, is there any special

1 training given to your foremen on how they communicate
2 with the dispatcher to coordinate that changeover?

3 MR. PIELLI: Yes, there's rules that are
4 written that you have to give highlights, particular
5 highlights about condition of the block, whether or not
6 you're going to restore the track to the schedule or
7 the time table speed or less thereof. You might be
8 asked questions when you tell the dispatcher I'll give
9 you the track back at two mile an hour they might ask
10 you I need a definition.

11 And, why, because on the other side they're
12 actually writing in the book because it's going to
13 affect the operation.

14 INVESTIGATOR BEATON: In your experience
15 with Amtrak and it's really quite commendable and
16 longstanding, are you aware of any reoccurring problems
17 where foremen and dispatchers have not completed a
18 watch turnover successfully, that there's been some
19 failures?

20 MR. PIELLI: Not that I'm aware of.

21 INVESTIGATOR BEATON: None at all?

22 MR. PIELLI: No, we've had situations that I
23 am aware of where we limit the volume of work, I said
24 it earlier, in a particular location. One area we
25 watch every day is New York because in New York I

1 always say when they put the catenary in over the
2 railroad they put it up wherever it was easy.

3 And in New York it's kind of like if you
4 turn the switch off in your kitchen the lights go on in
5 your bed room. So the AC plates in New York don't
6 match the tracks. So you could ask for an AC plate on
7 five and it takes the power of six and five.

8 So that's the way I would explain to you,
9 you have to know where you're at. You have to know
10 what you're signing off on. You have to, and that
11 communication is paramount to understand what your
12 affecting, okay.

13 INVESTIGATOR BEATON: Okay. John, thanks
14 again for your time you've spent with us and the
15 education that you've provided. I'm done.

16 INVESTIGATOR HIPSKIND: Thank you, Doctor
17 Beaton. John, we've had a tremendous time with you
18 today. And I'd say your knowledge and your comments
19 are just unbounding and I too am impressed.

20 I want to try and recap in my own words some
21 of the things that I think I learned today. And steer
22 me back if I've got some of this wrong. But in the
23 things that you do, everything you do is big.

24 A lot of equipment. A lot of commitment. A
25 lot of capital funding toward those projects. They're

1 all planned out well in advance. A lot of coordination
2 with every department, vendors, the whole nine yards.
3 All that stuff is just looked at, looked at. It's
4 planned out. It's talked about, meetings and then
5 comes the execution.

6 You even had meetings before your going to
7 do your work about kind of running through to make sure
8 that everything is still there. Am I correct thus far?

9 MR. PIELLI: Yes. Some of those meetings
10 are even in the field. It's not in like a, here.

11 INVESTIGATOR HIPSKIND: Exactly.

12 MR. PIELLI: We're right on the job. We're
13 close to the job or we do a high rail trip with three
14 suburbans with 27 people and we stop and we get out and
15 we walk a mile and then we get back in, whatever we
16 have to do.

17 INVESTIGATOR HIPSKIND: And all that's
18 designed is to further improve the plan and the
19 execution to comb out those last maybe unknowns and to
20 mitigate them. Am I correct in that?

21 MR. PIELLI: That's correct.

22 INVESTIGATOR HIPSKIND: Okay. So I think
23 one of the things I learned, and these are the
24 highlights of some things that Ryan and I are both
25 interested in is that risk analysis and how it's

1 managed.

2 And I would sum it up this way. And it's
3 all about all those things I just said. But it's also
4 about this site-specific work plan, all that
5 coordination and then it, quite frankly, some of the
6 biggest mitigation factors as I understood your
7 discussion was hey, we choose to work at off peak
8 times.

9 And I mean that's just getting along with
10 transportation. That's getting along with moving
11 passenger trains and all that. But then all that is
12 supplemented in the field with the appropriate number
13 of watchmen, the use of shunts and banners as
14 appropriate. Are those the highlights?

15 MR. PIELLI: Yes, and what Bob was talking
16 about is, you know, in advance I started to talk about
17 the turnpike, we also put up whistle signs, you know.
18 And normally in the bulletin or we won't because we're
19 doing big things it's usually posted.

20 People know we're out there. Actually if
21 you talk to some of our engineers they have a good
22 throttle setting on how we're doing, how we're moving
23 along. They get to watch it every day, maybe twice a
24 day on how we're moving along.

25 INVESTIGATOR HIPSKIND: Okay. I think I've

1 polled everybody and I think everybody has got their
2 cup empty. So let me move toward the questions I
3 indicated I would ask you. Mark, I haven't forgotten
4 you.

5 MR. LANDMAN: No. With John he's clarified
6 everything.

7 INVESTIGATOR HIPSKIND: I'm not surprised
8 that you said that, okay. So, John, one favor I would
9 like to ask you. When you do get your hard copy you
10 and I talked about a couple of the acronyms or
11 abbreviations that we, that you used or referenced in
12 your long discussion.

13 But could you maybe look for some of the
14 other ones that maybe you and I didn't talk about and
15 add them into your errata sheet?

16 MR. PIELLI: Yes, you're going to send me
17 something that I can proof?

18 INVESTIGATOR HIPSKIND: I will.

19 MR. PIELLI: Absolutely, yes.

20 INVESTIGATOR HIPSKIND: It would just be
21 helpful because you and I were using language that you
22 and I were comfortable with. But for some of the
23 readers they may not know what each and every one of
24 those abbreviations were?

25 MR. PIELLI: Sure.

1 INVESTIGATOR HIPSKIND: Okay. That would be
2 helpful. So is there anything that you would like to
3 add or change?

4 MR. PIELLI: No, I try to come here with an
5 open mind and kind of confess and answer any question
6 you want. As far as 89 I wasn't there. I can't talk
7 about that. I don't know.

8 INVESTIGATOR HIPSKIND: And that was not our
9 primary purpose in our discussion with you today. We
10 kind of wanted to stay on the construction side of
11 things and understand how all that works out.

12 Are there any questions we should have asked
13 but did not? I know we can always ask more questions.

14 MR. PIELLI: No, I think I sincerely gave
15 you a good perspective on how we prepare, execute, make
16 changes when necessary and conclude our big projects.
17 I think that's what you were looking for.

18 INVESTIGATOR HIPSKIND: I totally agree and
19 I do appreciate you sharing with us multiple examples
20 each and every time that you gave us a description.
21 That was really, truly helpful.

22 And so do you have, I know that this
23 question may not apply to you, do you have any
24 suggestions for preventing a reoccurrence? And I kind
25 of think what we're referring to here is the train '89

1 accident.

2 MR. PIELLI: I don't know enough about what
3 happened down there. I mean I base my decisions on
4 fact.

5 INVESTIGATOR HIPSKIND: Okay. And is there
6 anyone else who we should interview?

7 MR. PIELLI: For big projects?

8 INVESTIGATOR HIPSKIND: Just in general for
9 the things that we discussed with you today.

10 MR. PIELLI: I wouldn't have anybody to
11 recommend.

12 INVESTIGATOR HIPSKIND: Okay. With that, I
13 want to thank you very sincerely for taking the time
14 and coming out here. I, and for leaving your phone in
15 your office, okay. Thank you very much, John.

16 MR. PIELLI: Thank you.

17 (Whereupon, the above-entitled matter went
18 off the record.)

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C E R T I F I C A T E

MATTER: Accident Involving Amtrak Train
89 and MOW Equipment, April 3, 2016
Accident No. DCA16FR007
Interview of John Pielli

DATE: 08-25-16

I hereby certify that the attached transcription of page 1 to 128 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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