Ottawa Light Rail Commission

Brian Guest on Wednesday, May 18, 2022



77 King Street West, Suite 2020 Toronto, Ontario M5K 1A1

neesonsreporting.com | 416.413.7755

1	
2	
3	
4	
5	
6	OTTAWA LIGHT RAIL COMMISSION
7	BOXFISH INFRASTRUCTURE GROUP - BRIAN GUEST
8	MAY 18th, 2022
9	
10	
11	
12	
13	
14	Held via Zoom Videoconferencing, with all
15	participants attending remotely, on the 18th day
16	of MAY, 2022, 9:00 a.m. to 12:17 p.m.
17	
18	
19	
20	
21	
22	
23	
24	
25	

1	COMMISSION COUNSEL:
2	Kate McGrann, Co-Lead Counsel Member
3	Anthony Imbesi, Litigation Counsel Member
4	
5	PARTICIPANTS:
6	Brian Guest: Boxfish Infrastructure Group
7	John Mather & Max Libman: DMG Advocates LLP
8	
9	
10	
11	ALSO PRESENT:
12	Leila Heckert, Stenographer/Transcriptionist
13	Chandani Joshi, Virtual Technician
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	

1	INDEX OF EXHIBITS
2	NO./ DESCRIPTION PAGE
3	1 Curriculum Vitae of Brian Guest. 7
4	
5	
6	
7	
8	
9	* * The following is a list of documents
10	undertaken to be produced, items to be followed
11	up, or questions refused. * *
12	
13	
14	
15	INDEX OF UNDERTAKINGS
16	The documents to be produced are noted by U/T
17	and appear on the following page/line: 55/25;
18	66/16; 82/22; 105/10.
19	
20	
21	
22	
23	
24	
25	

```
1
        Upon commencing at 9:00 a.m.
2.
              BRIAN GUEST: AFFIRMED.
3
              KATE MCGRANN: Good morning. My name
4
   is Kate McGrann. I'm one of the co-lead counsel
5
   for the Ottawa Light Rail Transit Public
6
   Inquiry, joined this morning by my colleague,
7
   Anthony Imbesi, as a member of the Commission's
8
   counsel team.
              The purpose of today's interview is to
10
   obtain your evidence under oath or solemn
11
   declaration for use at the Commission's public
12
   hearings.
13
              This will be a collaborative
14
   interview, such that my co-counsel, Mr. Imbesi,
15
   may intervene to ask certain questions. If the
16
   time permits, your counsel may also ask
17
   follow-up questions at the end of this
18
   interview.
19
              This interview is being transcribed
20
   and the Commission intends to enter this
21
   transcript into evidence at the Commission's
22
   public hearings either at the hearings or by way
23
   of procedural order before the hearing is
24
   commenced.
25
              The transcript will be posted to the
```

Commission's public website along with any corrections made to it after it is entered into evidence.

The transcript, along with any corrections later made to it, will be shared with the Commission's participants and their counsel on a confidential basis before being entered into evidence.

You will be given the opportunity to review your transcript and correct any typos or other errors before the transcript is shared with the participants or entered into evidence. Any non-typographical corrections made will be appended to the transcript.

Public Inquiries Act 2009, a witness at an inquiry shall be deemed to have objected to answer any question asked him or her upon the ground that his or her answer may tend to incriminate the witness or may tend to establish his or her liability to civil proceedings at the instance of the Crown or of any person.

And no answer given by a witness at an inquiry shall be used or be receivable in evidence against him or her in any trial or

other proceedings against him or her thereafter taking place, other than a prosecution for perjury in giving such evidence.

As required by section 33(7) of that Act, you are hereby advised that you have the right to object to answer any questions under section 5 of the Canada Evidence Act.

We plan to take a break at around 10:30, but if you need a break at any point in time, just let us know and we will pause for a break.

BRIAN GUEST: Okay.

KATE MCGRANN: To begin, we asked your counsel to provide a copy of your CV in advance of the interview. I'm just going to show you what was sent across by sharing my screen. Please work. Here we go. I'm showing you the first page of a four-page document. Happy to scroll through it. Just let me know if you want me to slow down at any point.

My question for you is: Do you recognize this document?

BRIAN GUEST: Yeah, it looks like my CV. I'm not sure it's my most recent one, but, yeah, it's my CV.

1 KATE MCGRANN: If there is a more 2 recent CV that you have that you'd like us to 3 use --4 BRIAN GUEST: It's my most recent. 5 KATE MCGRANN: Then we will have this 6 introduced as Exhibit 1 to your interview. 7 EXHIBIT NO. 1: Curriculum Vitae of 8 Brian Guest. 9 KATE MCGRANN: One quick question, 10 when I was looking at this, I noticed that it 11 appears to cover work from -- up to 2005, and 12 then we pick up again in 2011. 13 What were you working on during the 14 period between that time, or just let me know if 15 I've missed something. 16 BRIAN GUEST: I was working in climate 17 change. So after I left the Prime Minister's 18 office, I was a big climate change guy. And so 19 I kind of got into activism around that. I also 20 did some private work with environmental 21 companies that are pursuing new technologies 22 that can make a difference in the climate change 23 space. 24 So we kind of went into a climate 25 change zone for a while there. And, you know,

1 not a lot of that work, you know, lends itself to a resume. It was -- I also took a good 3 break, by the way, because politics is, you 4 know... 5 KATE MCGRANN: Could you provide us 6 with a brief description of your professional 7 background and experience as it relates to the 8 work that you did Stage 1 of Ottawa's light rail 9 transit system. So just to be clear, up until 10 the point that you begin working on the project. 11 Well, I started BRIAN GUEST: Sure. 12 my career at what was the regional municipality 13 of Ottawa-Carleton at the time for -- there was 14 an amalgamation of the lower two municipalities 15 in to one city. At the time -- at that time I 16 was a nursing assistant at the Children's 17 Hospital of Eastern Ontario. 18 So my first real major job was working 19 for a consulting firm in the political space. 20 And then I assisted Bob Chiarelli in running for 21 regional chair. His -- he had to come home 22 because his wife had passed on. And he decided 23 he wanted to run for regional chair against a 24 gentleman named Peter Clark. 25 We run that campaign and succeeded.

Once he took office in 1998, I was a principal advisor to him in terms of policy. I was the policy guy, you know, and that's where my interests were.

So for four or five years, I was at the Region, and then at the City once there was an amalgamation of the City. So I know the building, I know the people, they know me from that kind of extensive work.

During that time, I was responsible for the Trillium, what is now the Trillium line, at the time was Mr. Chiarelli's commitment to a pilot light rail, which when you look back on it, you know, it was \$16 million. That was the budget for the pilot rail project and that was limited by what we get through Council. I think it was originally thought to be 12 and we delivered it for -- it came in over -- it wasn't possible to deliver it for 12.

But we delivered it for 16 and it was very successful. So I kind of, I knew that's an EMU service, which stands for Electrical and Mechanical Unit. So it's a little bit different. It was on legacy rail corridor. But I got very familiar with the issues in terms of

2.

delivering that sort of project.

After that, I joined the Ministry of Finance working for Paul Martin as, again, a principal advisor, his directive communications and senior policy advisor where I did a whole lot of files for him.

And then after Mr. Martin became Prime Minister of Canada, I became his deputy principal secretary where I work with the clerk of the Privy Council and the Cabinet and deputy ministers on, you know, the issues of the day, climate change, the new deal for cities and communities, which I was a very big part of, that really dealt with a lot of local issues and tax-based issues.

And then in 2005, I chose to leave government, and then I did climate change for a while, was my focus until I didn't feel like I was making a big enough difference anymore in that.

And then I started working basically with environmental companies. And then I basically went full time on -- was at the time a pre-procurement phase of -- a pre-procurement phase of what is now the Stage I LRT. And I

stayed with that project right through to when it was awarded, I think that was December of 2012.

At some point after that, I felt like the procurement was done and the value that I could help in terms of issue processing and commercial advice was sort of, you know -- I didn't have direct construction oversight experience at the time, I do now, but then I didn't. And I was much more interested in pursuing what was happening in Toronto.

So I effectively moved to Toronto. I started then doing five days a week in Toronto working for Metrolinx in the delivery of the Eglinton Crosstown procurement. And since that time, I've continued with Metrolinx in a pretty dedicated way.

I'm pretty passionate about their overall program and it's very demanding. You know, we are doing 100 billion dollars' worth of infrastructure, three LRTs in construction at one time, including all the claims and construction management that flows from that.

We are doing three subways that are now just entering procurement and early work

1 And we are doing GO Expansion which is 2 an electrification of the entire GO network. 3 So basically the bottom line is I 4 spent my career in public service advising 5 people that have decisions that they need to make on behalf of the taxpayer in terms of 6 7 dealing with very complex, very fast-moving 8 issues and understanding them and helping others 9 understand them so they can make the decisions 10 that they need to make whether they are senior 11 civil servants or politicians. 12 KATE MCGRANN: Prior to your work on 13 Stage I of Ottawa's light rail transit system, 14 did you have any rail experience other than the 15 work that you did on the Trillium line? 16 BRIAN GUEST: No. I have lots of 17 public policy experience, but I did the first 18 LRT in Ottawa. There were no LRTs in Ontario. 19 And I wasn't doing, you know, technical -- like, 20 we had an owner's engineer, well, I guess they 21 call it technical adviser, which was a 22 consortium of four companies: Morrison 23 Hershfield, Jacobs, URS, I think, and STV. 24 And STV was the lead. They were doing 25 the technical specifications, and Deloitte, I

1 believe, was on board at that time as well. 2. So I was more to help with the issue 3 processing and to help the office, you know, 4 perform going forward into the procurement. 5 KATE MCGRANN: With respect to the 6 work that you did on the first light rail in 7 Ottawa, your role there is issue processing. Is 8 that right? 9 It was the first BRIAN GUEST: Yes. 10 LRT so first we had to acquire the corridor from 11 So there was a big negotiation around CP Rail. 12 how to do that. 13 There was lots of tax issues in 14 relation to starting to own that corridor. 15 There was a lot of stakeholders that were 16 interested in the project. I had to deal with a 17 lot of stakeholders. And their concerns, where 18 they wanted to see stations, kind of make sure 19 that our budget was okay, so that we didn't try 20 to do something so large that Council wouldn't 21 support it. 22 And, you know, all the safety issues, 23 signalling issues, vehicle selection issues. 24 But that was like a trinket compared to, you 25 know, the projects that I worked on since.

KATE MCGRANN: And any issues that you probably find on that project that you saw again when you worked on Stage I.

BRIAN GUEST: Well, I mean, public policy issues are always -- what kind of species of them that, you know, there are hundreds of types of them. I don't think there was technical -- I mean, I became very familiar with the technical kind of questions and issues that you need to be thinking about.

But it wasn't delivered like, you know, on a turnkey design build basis. It was -- it was, you know, whatever it is, 11 kilometres long. We were running two trains back and forth. It was very simple.

There were issues around the maintenance and storage facility, equipping it, what we were going to need in order to keep the system running.

So I guess, yeah, I guess, there were was some aspects of that for sure. But more I'm -- I'm modestly good at understanding things quickly and framing them up for decision-makers and talking about what the -- how to get their priorities on the table and make sure that they

1 are well aware of all the things in detail, in the detail they need in order to make choices. 2 3 And prior to your work KATE MCGRANN: 4 on Stage I of Ottawa's light rail transit 5 system, could you just describe your P3 6 experience. 7 BRIAN GUEST: My P3 experience. Ι 8 didn't have P3 experience. 9 KATE MCGRANN: And more specifically 10 that you worked on putting together a project 11 that was to be delivered by way of a design, 12 build, finance, maintain before. 13 BRIAN GUEST: 14 KATE MCGRANN: With respect to the 15 work that you did pre-procurement up until the 16 close of project agreement on Stage I, could you 17 just describe your role to us, what you looked 18 like day-to-day in terms of the work you did? 19 BRIAN GUEST: Sorry. Can you give me 20 that question again. I got a little muddled 21 there. 22 The work that you did KATE MCGRANN: 23 from pre-procurement up until the financial 24 close of the project agreement for Stage I, 25 would you describe what your role was?

BRIAN GUEST: Well, I was principally advising John Jensen who was the director of the project. I came onto the project when Mr. Jensen basically called me out of the blue and invited me into his office to talk about the issues that the project was facing at the time. We had a good conversation.

He, at the time, thought I could be of assistance. The project wasn't going great at that time. It was still pre-procurement. But the alignment that had been selected by environmental assessment was what they call the cross-country alignment, and it was derived from a planning exercise that focused on origin and destination data for employment and for where people were coming from and going to.

So it was kind of like drawing a line diagonally across the downtown core and, sort of, counting the number of people who would have the shortest walk to get to the alignment.

And it didn't -- it didn't -- I think it was done at a functional design level like, after the alignment selected. I wasn't involved in any of this, but I think it was done to about a 5 percent level, just confirm where it would

1 go. 2. At the time, it was, you know -- it 3 was the preferred alignment that Council had 4 approved, the previous Council had approved in 5 terms of where it would go and where the 6 stations would go. And that was used -- that 7 5 percent design was used, I think, to apply to 8 senior orders of government, including the 9 province and the federal government to obtain 10 support in a traditional cost share program. 11 So the budget was, I think, 12 1.7 billion plus some escalation and so on. So 13 I think it was understood to be 2.1 billion. 14 That was a really important thing to understand. 15 But let me just take a step back and 16 talk a little bit about how municipal and 17 provincial and federal finance work. 18 Municipal government doesn't have the 19 same kind of tax growth that the federal and 20 provincial governments do when things like the 21 current inflation spike is going on. 22 Actually federal and provincial 23 revenues go up, cities' costs go up. Their 24 (indiscernible) don't go up. So cities are --

have been, in this country, struggling to pay.

Now, the City of Ottawa is a very healthy municipality in that they have a very tight debt policy.

So they have a target of, I think,
7.5 percent of own source revenues for their own
debt. The province permits up to 25 percent of
own source revenues, but this municipality has
been very well managed over time and has a very
tight debt policy.

So once you get into a contribution agreement with the federal and provincial government, you -- the die is cast in terms of what they are going to contribute. It's set very early, a design that is very early. And it generally doesn't move. Sometimes you can appeal for a little bit of extra help in terms of money.

But generally, the municipality is paying for the overage, it's not how it works -- it doesn't work that way universally in the Province of Ontario because Toronto is the centre of economic -- kind of, it's the biggest economy in the province, and it gets its own approach that Ottawa and Waterloo, for example, did not.

1 So that means that any dollar spent 2 over top of what the budget is, is the municipal 3 dollar coming from a tax base that doesn't grow 4 in line with the economy. So that budget number 5 was very important in the City to adhere to 6 because they only had so much money and they 7 needed, you know -- if it had been procured and came in above 2.1, the City would have had to 8 9 have paid whatever that additional amount of 10 money was. 11 And if there were significant claims 12 that arose during the construction, the City 13 would have to pay 100 cent dollars for each of 14 those dollars that was spent in relation to a 15 claim, okay. 16 So budget was a really big priority. 17 And the new Council at the time had asked for a 18 review of, you know, of the budget, the 19 affordability, and the project just generally. 20 Now, the problem with -- am I giving you too 21 Is this okay? much here? 22 KATE MCGRANN: I don't want to affect 23 you answer at all. I will ask follow-up 24 questions as needed. 25 The cross-country BRIAN GUEST:

alignment was, I think, 47 metres deep, which is just so you understand, 11 switchback escalators, and there was a necessity to be that deep because of the deep parking garages at the World Exchange Plaza and other deep parking arages that needed to be that deep.

And, of course, the land had to be expropriated underneath those buildings in order to follow that route. So it was not a great solution because it would be quite a long time to get down to platform, and all that affects customer journey time, and customer journey time and frequency are the two big drivers of whether a transit system is successful, two of the biggest.

So time down to platform was an issue. It was an issue from a cost perspective, too.

And I don't have this exactly but I believe the -- so moving forward into after EA and right around when I started, the more serious designs were starting to be completed for what they call a reference concept design, which is basically a much more advanced proof of concept and functional, which is 5 percent, and usually it's 30 percent for a reference concept, although

certain risky elements you can go further than
30 percent just to make sure you understand
them.

And I think the estimated cost internally at the time was 3.2 billion and heading north. And it was really all driven by property and depth. So there was an alternative that was I believe explored in the EA, it performed well. You'd have to go back and check the EA. But it was to come -- to go down Queen or Albert under the street and it had a number of advantages.

First of all, you were free of those deep parking garages, and so you could be between 16 and 24 metres below the surface which is, you know, a huge, huge advantage. And second, the street already belongs to the municipality so you didn't have to buy the land.

So when the review started, I mean that was the problem, right? To put it plainly, there was concern that the project wouldn't be affordable given what we had on the table from the federal and provincial government, and that it wouldn't be as good as it should be.

And so Council asked for review of

those things. And the office was in the process of grappling with that. And that's -- you know, I was part of that process where we reviewed to try to get the project into a position where it could be delivered within the resources that were available.

I'm having a hard time remember exactly because it wasn't 2.1 at the beginning. We did get a little bit more help from federal and provincial governments somewhere along the line. But it was a few hundred million extra dollars I believe.

Anyway, so that -- we were engaged in that. We were engaged in choosing the delivery mechanism, like the type of contract that was the best way to approach it.

Before I got there, a P3 was

definitely -- I think they focused on a P3. But

the species of P3, not all P3s are the same, was

something that people were reflecting on. The

previous project that was cancelled was a DB,

and that's a kind of P3, it's just it has -- it

doesn't have the F, it doesn't have the

financing and it doesn't have -- it disciplines

the contractor to deliver a fixed-price contract

```
1
   in a slightly different fashion, usually with
2
   LDs and other securities.
3
              KATE MCGRANN: And LD is liquidated
4
   damages, just so that somebody who's reading --
5
              BRIAN GUEST:
                            Yes.
6
              KATE MCGRANN: -- the transcript can
7
   understand what you're saying.
8
              BRIAN GUEST: Yeah. You'll have to
9
   bust me on my acronyms all over the place, I'm
10
   sure.
11
              KATE MCGRANN: I'll follow-up as best
12
   as I can.
13
              BRIAN GUEST: So you discipline with a
14
   different thing -- the -- so that was
15
   Mr. Chiarelli's north-south. It was basically a
16
   big build onto the -- onto what became the
17
   Trillium line, and what was, at the time, the
18
   pilot, which had been made permanent, the pilot
19
   had been made permanent.
2.0
              And the idea was to go across to
21
   Barrhaven at the bottom of the North-South line
22
   and come through over the Mackenzie King Bridge.
23
   And I thought it was really good project. I
24
   didn't have anything -- I didn't participate in
25
   that one that I can recall. But certainly not
```

2.

| 1 | in the way I participated in the next one.

Anyway, the market -- Mr. O'Brien was elected mayor. He campaigned in no small measure on cancelling Mr. Chiarelli's LRT, he did so, and started basically all over again. So the market had a little bit of a who-are-these-guys, you know, kind of reaction.

When you cancel a project, it's bad. The market spends a lot of time and energy trying to bid it. There's a selected winner, they had a contract, the contract was torn up, compensation was paid, you know, it was -- it wasn't easy to get people to come back to the table and start doing something different.

So were preoccupied with how to do that, like that we wanted to get -- make sure we had very robust competition and a good market response so that was one of the issues that we were thinking about at the time.

And then we -- then we -- yeah, then we had to make a selection of the type of contract we were going to try to use. We had to -- we made the decision -- we made decisions around scope and put those forward to Council with the revised alignment, briefed Council on

1 the revised alignment, and it did solve the 2 budget issue. 3 It seemed well within the 4 affordability limits that the City faced, and 5 could be -- we used quantity surveyors, we used 6 risk assessment, and you build up your base 7 budget for Council approval. And that was 8 done -- I don't have the dates, but I think it 9 was done somewhere in the mid-2011 or maybe 10 before that. I think it was mid-2011. 11 So those were the sorts of issues that 12 we were dealing with. There was a lot going --13 you know, I can't really (inaudible) was, you 14 know, how to deal with utilities, how to deal 15 with the approvals that were required to do 16 (inaudible) you know, what was the best way to 17 make sure that we got a good market response. 18 (Reporter interjects due to audio 19 quality.) 20 BRIAN GUEST: I'm sorry about that. 21 It might be the internet. (Inaudible) all the 22 If you're having a hard time hearing me, 23 it will probably just pass. 24 Ms. Heckert, could you KATE MCGRANN: 25 just help Mr. Guest understand from which part

of his answer you need him to try to repeat what he said.

(Readback provided.)

BRIAN GUEST: I think I said I can't be encyclopedic about all different issues that was faced. But there were -- in any project there's a huge number of them, you know, tree clearing, you know, material disposal, utility interfaces. You know, just lots and lots of issues that needed to be processed and briefed up to senior management as appropriate.

And then there's all the market interaction once we started the in-market process, there's all the commercial confidential meetings and the design presentation meetings which are part of the process aimed at ensuring compliance with the output specification.

And it's not an approval thing, it's feedback. It's really the various teams that are vying to provide you with the best proposal, come in, they talk about commercial terms, they want to see adjusted. They talk about their solution for building and designing scope.

So in the end we settled on a DBFM, "we" being the City's decision-makers, and the

2.0

office made that recommendation and that was then brought to Council.

The other overlay of that, I should point out, is that the Province effectively directed that it be the DBFM. They at least had a very strong perspective that it should be a DBFM and that IO should be employed as the procurement agent.

Mr. Chiarelli, by that time, was the Minister of Infrastructure. And he was very strongly of that view which wasn't a determinative necessarily, but it was a guidepost for sure.

I think the Federal Government was very favourable to P3s at the time, including financing. And so there was kind of, you know, an overlay of senior orders of government who were cofounding, that's where they were looking to see the City do.

But the City did its value for money analysis of those -- the various models. They did a kind of procurement options analysis, that's what we call it. Now back then, I think it was called a P3 screen.

Those were required activities and

they were done. And, you know, I don't think that the City manager would have recommended to Council just on the basis of our preferences of senior orders of Government. He needed to come to that determination and recommend that on its merits, which is what he did.

I don't think there was a lot of consideration of doing anything, but at least the design build. Some conversations about, you know, what the base contractor start with was whether to have financing.

There was never really a huge debate about whether to include maintenance because it's kind of good practice if you hold the constructor to the performance of the asset once they built it because, really, in a P3, even in a design build, you're not telling them how to build it, or exactly what to do in the design.

You're looking for an outcome, and so you're very focused on giving them flexibility to deliver it in the very best way that they can, you know, without -- in a DBB, you design the entire thing right down to the bolts, and you hand it over to a contract and you say, Give me a price to build this.

1 And there was never anyone who thought 2 that that was a good idea, that I encountered. 3 A, because the City didn't have the expertise 4 and wouldn't have known how to do that well, and 5 I think they recognized that. 6 And, yeah. So the idea was always 7 that the private sector should bring together 8 the skills of a consulting engineering, 9 world-class consulting engineering firms, and 10 combine it with the expertise of strong 11 construction firms that known means and methods 12 can interact with the designer, and get you to 13 the best overall solution. 14 And then you have three teams doing 15 that, and you select the best one based on 16 objective criteria and you award. So that was 17 the process that I was part of. 18 KATE MCGRANN: I noticed that you keep 19 looking down. Are you referring to a document 20 or notes? 21 BRIAN GUEST: No. I'm just -- that's 22 just how I move. 23 KATE MCGRANN: Couple quick questions 24 on some acronyms you used. So DB, that's Design 25 Build.

1 Design Build. BRIAN GUEST: 2. Design Bid Build. KATE MCGRANN: DBB. 3 Yes, correct. BRIAN GUEST: 4 KATE MCGRANN: And in describing the 5 work that you did, you kept referencing "we". 6 Is "we" the decision-makers? 7 BRIAN GUEST: Yes. Another thing I --8 I'll try to temper. "We" means the project 9 "We" means the City. So I'll try to 10 distinguish between those two things. But the 11 project team itself was a team and we referred 12 to ourselves as "we." We've got to get this 13 done, this issue dealt with. 14 KATE MCGRANN: Anybody else from 15 Boxfish working on this project with you during 16 the pre-procurement and procurement phase? 17 BRIAN GUEST: Well, we were only very 18 small at that point and it was really mostly me. 19 I was pretty dedicated, like, I was 100 percent 20 dedicated to the project, in effect, once I 21 started. 22 There were others that were involved 23 in largely communications type activities when 24 the project team needed to engage stakeholders 25 or do public meetings or prepare for major

1 Council meetings.

2.

There were a number of contractors that worked with us, as subcontractors that worked on various aspects of the writing and the graphics and whatever else needed to be done.

And I did some measure of coordinating that with my partner Jon Lomow, who is basically -- has an advertising and communications background, so he helped out with some of that stuff. But principally it was me.

KATE MCGRANN: Who were you taking directions from with the City?

BRIAN GUEST: John Jensen was my -- he was the person who directed me. At times, I interacted with Kent Kirkpatrick the City manager who I knew from my past at the region where he was deputy treasurer, when I was there. So I knew Kent. And so often be in briefings where Mr. Jensen was going to brief the City manager on progress and so on.

I also spent quite a bit of time interacting with Nancy Schepers who was the deputy city manager of planning, and who Mr. Jensen reported to so. It was Mr. Jensen, and then to the extent I was helpful up the

1 reporting chain to the City manager. 2. KATE MCGRANN: Any interactions with 3 the mayor, any members of his staff? 4 BRIAN GUEST: On this project, it's 5 not really -- I'm sure, yes. We definitely briefed the mayor on a number of occasions. 6 The 7 Mayor's style, though, is not -- it's quite 8 different from Mr. Chiarelli's style. 9 He doesn't get into the weeds on 10 things. He very much is, kind of, chair of the 11 board and focuses on Council and the broad 12 issues set that a mayor has to grapple with and 13 events that occur and so on. 14 And so, no, I would not say that I had 15 a lot of interaction with him. I didn't really 16 have any interaction with him at all. 17 KATE MCGRANN: Other than the 18 briefings, any interactions with the mayor and 19 members of his staff? 20 BRIAN GUEST: I mean, I would have 21 interacted with them in the halls. But on this 22 project, not really outside of the briefings. 23 KATE MCGRANN: So you've described the 24 aspects of the project that you were involved 25 I'd like to understand what your role was. in.

1 What were you doing that other members 2 of the project team or City staff, more 3 generally, were not? 4 BRIAN GUEST: Well, I mean, at some 5 point, it all has to, kind of, come together 6 into -- into recommendations for senior 7 decision-makers, and there's, you know, puts and takes in all of this stuff, technicals coming 8 9 into its ideas and concerns and thoughts. 10 The budget, is being developed, 11 reports need writing. I was really coordinating 12 a lot of stuff for Mr. Jensen and helping him 13 process issues which is what I said off the top 14 was basically what I spent my whole life doing. 15 It's about bringing together the 16 picture of all these disparate parts of the 17 project and trying to help bring them together 18 into plan to execute, so that's what I did. 19 Issue management, issue processing, that sort of 20 thing. 21 KATE MCGRANN: What form did that work 22 take? 23 BRIAN GUEST: Lots of meetings, 24 participating in lots of meetings, understanding 25 briefings. Sometimes making, you know, notes in

1 terms of reports that needed to go up to 2 Council, helping to write those reports for 3 Council and committee. You know, that's the 4 form. 5 I wasn't drafting schedules per se. Ι 6 was reviewing schedules, I was reviewing 7 contracts. I was heavily involved with 8 interacting in Infrastructure Ontario on the 9 same kinds of things. 10 But did I have, like, a discrete, you 11 know, specific responsibility? I quess it was 12 to make sure everything hung together, and make 13 sure that Mr. Jensen and City staff had the 14 right facts in order to progress the project 15 well. 16 KATE MCGRANN: What was your 17 understanding of the City's key priorities that 18 guided the trajectory of this project? 19 BRIAN GUEST: Well, okay. So the 20 first key priority, there was a big problem with 21 the downtown transit system. And in that 22 respect, I think, you know, Mr. O'Brien had the 23 right idea; and the staff, at the time, had the 24 right idea, which was basically, back then, 25 buses were lined up on Mackenzie King bridge and

1 through the downtown, like, literally nose --2 nose to rear end, sort of thing. 3 You know, it wouldn't be unusual at 4 all to see 45, 50 buses put in through the 5 downtown. And it was like in a few minutes. It 6 had some dedicated transit priority lines --7 KATE MCGRANN: Can I just interrupt 8 you for a second? BRIAN GUEST: Yeah. 10 KATE MCGRANN: I realized that I 11 should have been more specific in my question. 12 In terms of the selection of the 13 design, build, finance, maintain model, what 14 were the key aspects of that model that led to 15 the City's selection of it? 16 BRIAN GUEST: Sure. I still go back 17 to why did we need to do the project because 18 it's is a key thing what we were trying -- we 19 wanted an outcome. 20 The outcome was the bus system was 21 reaching failure. There were 9300 people per 22 hour, per direction going through the downtown 23 core in the peak. It was at capacity. 24 Anything that went wrong, a snowstorm, 25 you know, a blocked lane, the bus system just

slowed right down to -- people were frustrated.

Is needed to get fixed.

So we wanted to deliver that outcome. So what was the best way to deliver that outcome? You know, aside and apart from the senior orders the government wanted us to do P3, we wanted to get an integrated team, "we" being the project team, wanted to get an integrated team that took all of the complicated parts that are in an LRT.

And an LRT isn't like a hospital or a jail, it's a big long machine, and everything has to work together, and they are supplied by a variety of vendors, the constituent parts are supplied by a variety of vendors, and they need to be knit together into an outcome.

And so one of the best ways to do
that, it's not the only way, but one of the best
ways to do that is to have the entities finance
put, what they call, skin in the game, air
quotes, which is basically at-risk monies that,
kind of, bond the project company together, and
makes sure that all the little bits that might
be provided by Thales or Alstom or Bombardier or
you know, the various construction firms that

would be part of it are, kind of, like in the same crucible and they have to deliver against the requirement.

So that was a big preoccupation of the City. We definitely wanted to have it work properly, and did not want to end up in the middle of a group of companies that had any incentive to finger-point at each other if there were issues.

So that was a big preoccupation. And then there was an attractiveness about the risk transfer model that Infrastructure Ontario had developed. And by risk model, I basically mean the principle that -- the entity that's best able to control a risk is the entity that must manage that risk.

And so Infrastructure Ontario had a very well-established project agreement which is what they call the contract, and it has a well-established template to it that has a lot of clauses and elements to it that are tried and true in the marketplace.

So that was attractive because in contracting, if it's a brand-new contract, you've got to pay a lot of good people like

yourself to review it and tell the firms why is this one different than a CCDC -- or you know, a standard construction form contract.

And the fact that IO had very established template that they had evolved over time was attractive in that you weren't starting from round one, so that was in the project team's mind.

The same skin in the game drives a fixed price. The fixed price was important because, as I explained earlier, the City had to pay for overages. But it was -- it was the first LRT that had used the Infrastructure Ontario template.

It was not the first, you know, rail transit system, certainly in the world, that used this, sort of, approach. Canada Line, for example, was a P3 and it was the -- it came in before the Olympics which was the key driver there.

And it came in actually ahead of time and on budget. So that was something that the City thought was, you know, noteworthy. Those were a few of the things that were in the City's priority basket.

1 KATE MCGRANN: It sounds like, just to 2 try to summarize what you said, the key 3 priorities driving the City's selection of the 4 DBFM, other than the interest of the province 5 and the federal government and the use of P3 6 model, and we'll come back to that in the 7 second, are risk transfer and budget control. 8 Is that fair? BRIAN GUEST: Risk transfer inclusive 10 of performance. Get what you pay for. And 11 budget control can be achieved without 12 financing. But, in fact, financing costs the 13 City money because that capital is not as cheap 14 as City capital. 15 So there has to be a value for money 16 assessment of whether that makes sense. 17 worth it to pay 10.25 percent on return on 18 I can't remember what the debt rate equity. 19 was, but it was probably in the lower fives for 20 the private capital. 21 And what types of risks are you facing 22 on the project that would be transferred to the 23 private sector for that additional cost of 24 adding finance into the project. 25 KATE MCGRANN: On that point, what is

1 your understanding of the role of private financing as an incentive as a moderating 3 influence, what role does private financing play 4 in the DBFM model as far as delivering the 5 project on time and on budget? 6 BRIAN GUEST: Well, I mean, it's a 7 pretty deep subject. The equity, basically it's 8 a Special Purpose Vehicle, SPV, and equity is 9 injected into a company that didn't exist the 10 day before. 11 And it's driving the behaviours of the 12 constituent parts. In the case of Ottawa LRT, 13 that would have been EllisDon, SNC-Lavalin, and 14 ACS Dragados. 15 They each put in a portion, I believe 16 it was 40, 40, and 20 for EllisDon being the 17 minority. And that, kind of, motivates them to 18 perform -- you know, not to fight with one 19 another, but to focus on the job at hand and to 20 perform. 21 They also have lenders, short-term 22 lenders and long-term lenders associated with 23 the financing. I believe it's an 80/20 split. 24 But I don't know. I can't remember precisely

what it is. I've done a lot of these job since

2.

and they become blurred at a certain point.

But I think it was 80/20. And the lenders -- the short-term lenders lend against what they call schedule substantial completion so they get paid out when the job is done.

And then the long-term lenders, they are like bondholders. So they expect to put their bond on a shelf and, you know, just get paid the ticket value of it.

So the lenders secure their lending both shorts and longs, against parental guarantees, and letters of credit that are supplied by the owners of the Project Co, and owners of the share capital Project Co through their equity.

And the lenders' role is -- it lowers the cost of financing so you're not doing it all with equity. You know, you're trying to do it with a WACC that makes financial sense, WACC meaning weighted average cost of capital.

And so lenders help with that, the long-term lenders help with that. Now, the theory of a P3 - the theory, I'll say theory - is that the lenders also provide oversight, and they do during the proposal phase in the sense

that they do diligence and they decide if they want to lend into the project.

So that's the proposal phase, like do we want to go on this voyage? You know, they do diligence, and to do that they customarily hire lenders technical advisor, which will review the proposals as they are being completed and advise the lenders as to the appropriate -- you know, the appropriate way to look at the project's schedule.

Is it going to be deliverable? Is it fanciful or is it realistic? The risk registers, which they call QSRAs and QCRAs, which basically is Quantitative Schedule Assessments and Quantitative Cost Assessments.

And those two things, basically, you have a whole pile of risks that are some to do with inherent nature of being a contractor, like are the forces going to be as productive as I expect them to be.

And then there are other risks that are associated with specifically the project. Is the utility company going to move that pipe for me when I need them to in the schedule? And those things are covered by a, sort of,

supervening events, what they call supervening events which will either delay in compensation or just delay and -- and that's a whole other subject.

So anyway, lenders are looking at all of that stuff and they're making assessment about whether they want to lend into the project in the same way that they would look at your request for a mortgage, and decide whether you are a good risk. And I do think they do that. You know, it's a lot of money they're putting into the project that you do it well.

So that kind of holds Project Co in a proposal phase to account that their project is realistic that they've dealt with the plan properly, that they've got a good plan.

But again, they're only themselves probably during a bid phase, you know, depends on element. But some stuff, like a sidewalk, you wouldn't design at all. Some stuff like that tunnel, you might design to an 80 percent level or 75 percent level just to make sure you've got it nailed down.

So all that stuff happens, we don't see it. It's all in the bid process and the

lenders are part of that. And then after that, the lenders -- the lenders, I think really don't do as much as the theory says they do.

They're so secured against those parents that, like, you know, it's like the Princess and the pea, you know, on 1000 beds with no pea. There's no -- there's almost no risk that, you know -- they've assessed these companies as big, sophisticated companies with strong balance sheets.

They've got joint and several, and by that I mean if one of the project partners was to fall over and go insolvent, the other two would have to pick up where that partner isn't able to anymore.

So when you look at the nature of the guarantees, and guarantees, I believe, in Ottawa's case that the lenders have up to 35 percent of construction costs are their parental guarantees and their security package, I think about 5 percent of that being liquid.

So their job after construction is, you know, just to get paid basically, and to take their long-term bond payments. They do have lots of powers in the credit agreement that

the City doesn't enjoy. And that's just to protect them as lenders into the project, the way any banker protects themselves against a credit -- of someone they are supplying a credit to.

So, yeah. That's the role during the proposal phase. And then after the proposal phase, they are very, very unlikely -- so in Ottawa what appears to have happened is the parts of Project Co, the three constituent parts of Project Co, they didn't -- they just didn't get along.

And they become more focused on -more focused on their own commercial positioning
vis-à-vis each other and vis-à-vis the designers
of the program than they were in fixing the
problem.

And so very disappointing performance after substantial -- scheduled substantial completion in that one would have expected with this structure that they would do everything in their power to get their annual service payments going, get the system to be reliable, and focus on that rather than who is accountable for it being late and who is accountable for problems

within the Project Co. But that doesn't appear to be what's happened.

So circling back to your question about lenders. Lenders are not going to step into that situation, right, because they're so insulated and it's not what they do. They're not going to take over and say, Hang on here, you know, why are you guys -- that's not their role.

Their role is simply to get paid and while they have all these, kind of, superpowers to be able to step in and do stuff, they don't do it. They never have and they never will.

So that's, I think, one of the areas where you can say, Does the theory match, you know -- does the theory match the reality in terms of the P3 model.

But they are at risk. Lenders are at risk for -- they are at risk for -- because the payments that they get for the bonds are embodied in the annual service payment. And if performance is low enough, poor enough, then those payments don't get made to Project Co.

And then Project Co has to make those payments to lenders notwithstanding that which

```
1
   is why I kind of used the bed -- multiple bed
2
   analogy. Like, Project Co has to pay. They are
3
   bonds, right? They're going to default on
4
   bonds, and it doesn't matter, lenders don't care
5
   that Project Co is not getting paid at all.
6
              Unless there's a risk that all three
7
   of them are going to fall over, there's no way
8
   they're stepping into anything or doing anything
9
   about it.
10
             KATE MCGRANN: Couple of follow-up
11
   questions. First I wanted to clarify. You
12
   talked about the lenders having lots of powers
13
   and you said that the City didn't enjoy them.
14
              I take that to mean that the City does
15
   not also have those powers as private partner
16
   and not the City didn't like that the lenders
17
   have those powers. Is that fair?
18
              BRIAN GUEST: No. I don't think it's
19
   that they didn't like it. It's just the City --
20
             KATE MCGRANN: I'm trying to clarify
21
   your answer here.
22
              BRIAN GUEST: Very well. The City has
23
   a liability cap in its favour of $50 million.
24
   The lenders have security of 35 percent of
25
   project costs. So that's going to be close to a
```

25

1 billion dollars, 800 million I guess at least. 2 Not going to do the math for you. 3 But 35 is just under 2.1. And that's 4 more, right? It's a lot more. They have step 5 in rights that occur earlier than the City. So, for example, if there's a default occurring on 6 7 performance, there's a right to step in, I believe it's three months in advance of the City 8 9 in order to protect themselves from a defaulting 10 Project Co, and to do something about it. 11 Again, unless everybody is falling 12 over, they're not going to do that, but they 13 have the power. 14 So those are very potent things that 15 the lenders have in order to protect themselves. 16 They have direct access to the security, the 17 City doesn't. The City doesn't have direct 18 access to the parental guarantees or to the 19 ability to draw that letter of credit, they 20 don't have it. 21 They have to count on lenders doing 22 And I presume in a really bad situation, 23 lenders would do it and they'd go hire somebody

else to either finish the project, if it's still

in construction, or fix the issues with the

1 project. 2. But that would be an extremeness. 3 Those powers are there, they're very potent, and 4 they are there to protect the lender from a 5 nonperforming Project Co. 6 And the way the model works is the 7 City basically counts on that structure, and 8 they don't need to have direct resort to the 9 parental quarantees or any of that stuff. 10 They -- they're happy to have the 11 capital risk and the lenders doing that. That's 12 the difference between the City's agreement and 13 the lender direct agreement. 14 KATE MCGRANN: And the lenders are 15 required to consent to any amendments to the 16 project agreement, right? 17 BRIAN GUEST: They are. That's --18 that is correct, yes. Not any, but any material 19 They also had to consent to things like 20 the extension of the project, for example. 21 Anything that materially alters the risk that 22 they signed up for in the beginning. 23 KATE MCGRANN: Given the limited 24 utility that you have identified that the 25

lenders bring to the project post-procurement

1 and the cost of the finance component and the 2 design, build, finance, maintain, why did the 3 City choose to include finance in the model that 4 it chose to deliver Stage I? 5 BRIAN GUEST: I mean, at the time, the 6 theory seemed to be practice. There was no 7 negative experience in terms -- that I was aware of anyway. In terms of that kind of -- lenders 8 9 not being very active after scheduled 10 substantial completion because there weren't 11 very many -- there was no LRTs at all. 12 So, yeah. I mean, you can certainly 13 say now that -- I -- this is a personal opinion. 14 I don't know that IO would share this opinion. 15 But I don't think the lenders are likely to ever 16 step in unless the situation is very 17 catastrophic, and I think IO would agree to 18 that, and it's very rare that things get that 19 bad. 20 But it's not without downsides, Kate. 21 You have to get consent from every individual 22 lender to do something that materially modifies. 23 So when you talk about Stage II coming along, 24 that required lender consent and that became an 25 issue for sure.

Anyone of those lenders can simply go No, not going to do it. I put my bond on my shelf and I'm not opening it up and I don't want to even -- so pay me a consent fee, maybe I'll have somebody open it up and I'll think about whether I want to give you consent.

And even to get to that point, you have to provide them with no better, no worse risk position from what they originally signed up for for the bond. And no better, no worse is expensive depending on how you do it. There's a variety of ways you can do it. But they all have issues.

They are not eligible for federal and provincial cost, so again all City dollars.

They -- you know, you can do it by way of sub-debt. The City puts a slug of subordinated debt underneath the lenders that restore the resiliencies and the debt coverage ratios, so that the lender is kind of sitting on another featherbed of a bunch of city money that is cheap, cheaper than their money.

You can have equity and lenders inject capital to restore the resiliences. Those are the variety of options that are available to

20

21

22

23

24

25

1 you, but none of them are cheap, and even the sub-debt one has downsides relative to what I 3 think was the right solution which was the one 4 that the City selected for the expansion. 5 KATE MCGRANN: Well, since we're here, 6 we'll jump around the timeline of the project a 7 little bit, and talk about your involvement in 8 the City's decision to execute a debt swap and 9 effectively step into the shoes of the lenders 10 part of the way through the construction phase. 11 So can you just -- for a bit of 12 background and context, I think you said you 13 stepped away from the project when construction 14 phase started. 15 How do you get involved in the project 16 again? 17 BRIAN GUEST: Oh, I did come back to 18

BRIAN GUEST: Oh, I did come back to the City to advise on two principal things that were going on. First of all, I stayed -- I stepped away. I went to Toronto, and I started working on Eglinton, which is very engrossing, and then I did Finch Hurontario. So I was full on busy.

But I did stay on their executive steering committee to provide the City manager

with, you know, perspectives from, you know, a broad base of experience in terms of actual projects happening. So I came, I stayed involved in that, but I didn't go to all the meetings to be honest with you. If I can fit it in, I went to be helpful.

I don't think I charged very much money during that period of time, probably a handful -- you know, a handful of hours just go to the meeting. And I just stopped bothering doing that at a certain point. I just did it help.

So principally, I was then brought back on in a paid capacity for two reasons. One was the project was in distress in that it was facing about an 18-month delay in substantial completion, which means that those principal companies inside Project Co are now starting to pay liquidated damages to the lenders in the amount of the payments that those lenders were entitled to get and that's both short and long.

So there were a number of claims advanced by Project Co that were without foundation. You know, like you're in pain and you're a company and you've got shareholders to

answer to, you know, you're going to go and try to find out how you can shoehorn anything into the supervening events, you're going to try.

So, you know, various quality of notice under the project agreement within ten days of knowing that they're going to occur.

And the City has an opportunity to mitigate if it can, if it agrees or to -- or sometimes they ask for variation confirmations that basically say, The project agreement says I need to do this, but you want that, so you need to pay me and here's how much it costs, and then often there are disputes around the quantum.

So anyway, long story short is that as the City started to face the peril of a large number of claims, not least of which was driven by the sinkhole event that occurred, they wanted advice about how to handle major claims, and there wasn't a lot of experience in the City about major claims, and I have a lot of experience in major claims.

So I was there to help, at that time, Mr. Manconi process how to look at and be ready to meet Project Co's requests for relief under the delay in compensation or their supervening

1 event that they had advanced. So I did that. 2 And then when Stage II came along, I 3 was called off the standing offer list, and I 4 started to help with the planning of Stage II, 5 not in a bigger way because I was super, super 6 busy in Toronto. 7 But by then, our firm was a little bit 8 bigger. We had a superstar named Raquel Gold 9 who had been involved in Finch and long -- long 10 career. And she took that role on on a 11 day-to-day basis for Stage II. 12 So that's when I, kind of, like, had 13 more contact with the project, but there was a 14 big interregnum there where I basically had 15 almost none. 16 KATE MCGRANN: When were you retained 17 to advise on Stage II? 18 BRIAN GUEST: I'd have to check. Т 19 don't recall. It would have been -- I don't 20 recall. 21 KATE MCGRANN: And you can follow up, 22 and your counsel can let us know, if that works 23 for you, Mr. Mather. 24 U/T JOHN MATHER: Yes, we can look into 25 that and provide an answer.

NATE MCGRANN: And you outlined a number of options that the City considered when looking at how to deal with the lenders and the need for lenders consent for the various impacts of Stage II as they had on Stage I. I don't think you mentioned termination for convenience of the lenders.

Is that something that was considered?

BRIAN GUEST: Not for about two
seconds because it would have been absolutely
insane. So what do you do when you terminate
for convenience? You pay out the bondholders as
though they held the thirty-year risk, and what
they call a "make whole."

So you basically pay out all the interest you were going to pay over the 30 years, and you just do it as an NPV bullet payment now.

Like, it would have also smashed the structure of the project agreement and all the risk transfer over the long-term that had been purchased by the City through the decision to include the financing and to use the Infrastructure Ontario template.

So you would have blown all that to

bits. Whereas what the City chose to do, which was, you can call it a swap, basically stepped into the shoes of the lenders direct agreement and said, Lenders, we're going to pay you your coupon price. So we're just going to take over all your superpowers because those give us -- solve the first problem, lender consent, without putting \$180 million on the table of City money. So that was better.

The City got direct access to the securities without having to go the circuitous route of the lenders including the 35 percent versus the 50 million bucks.

And it got earlier stepping rights and you should read the -- I'm sure you will read the lender's direct agreement, but it's got a lot of features that don't come to the project agreement.

So when you're looking at a range of possibilities, terminate for convenience, you're paying getting nothing and you are blowing everything up that, you know, you build in terms of the structure, and all the accountabilities get washed away.

You can do sub-debt, but then

1 basically the lender just has another buffer and 2 then is even less likely to do anything because 3 the City has got a bunch of money between the 4 lenders and peril. You can -- but it's cheaper. 5 You can have -- Project can do an 6 injection of new capital, and new debt, which is 7 more expensive, but can work if necessary for 8 the lenders to have any interest in consenting. 9 And then you can do what the City did, 10 which is say to the lenders, Well, I'm not going 11 to refinance you and pay you your ticket value. 12 I'll just treat you as though you're City and, 13 you know, then now you don't care if we expand 14 the service. You no longer need to restore the 15 debt service coverage ratios to where they are, 16 where they were at the beginning of the project. 17 And we were in a position and as the 18 City to then move forward with the expansion of 19 the program which was really critical to the 20 original vision of having, kind of, people being 21 able to go east-west in the City in the same way 22 that the transit way had served the public well 23 since whenever the 80s when it was built. 24 It basically went end-to-end 25 east-west, and we were converting that transit

1 way infrastructure into a rail system with 2 higher capacity, better frequency, and so on. 3 So the idea of saying to lenders, 4 Okay, we're going to just take over your 5 superpowers, outperformed the other available 6 options in the opinion of the City manager at 7 the time, and in due course Council. 8 What role was IO KATE MCGRANN: 9 playing in the consideration of options the ultimate determination of the recommendations to 10 11 make to the City, City Council? 12 BRIAN GUEST: IO was not involved in 13 Stage II. 14 KATE MCGRANN: From the perspective of 15 their involvement in Stage I and the impact that 16 this decision would have on Stage I, what 17 involvement did IO have in considering the 18 options and providing advice to the City? 19 BRIAN GUEST: None that I'm aware of. 20 I don't think that the City sought IO's advice. 21 IO was really the procurement lead. They ran 22 the procurement for Stage I. Gentleman by the 23 name of Rob Patterson was the chief interlocutor 24 on that, and he came to Ottawa quite a bit. 25 Very experienced quy, lots of social programs.

1 And then at the end of the procurement, I 2 believe they still maintained a role during the 3 construction, but it was more episodic and more 4 invitational. 5 IO is a very valuable organization and 6 has a lot of experience, but they are not cheap. 7 They don't have a base funding. They get funded 8 off projects. So I think the City had a view 9 that IO's role was really focused around the 10 procurement, making sure that the credibility 11 was there in the marketplace, making sure the 12 project agreement came together in an 13 appropriate fashion to help the City with advice 14 about tailoring risk transfer. 15 But, no, IO didn't have a continuing 16 role that I'm aware of and you would have to ask 17 decision-makers at the time where they came down 18 I wasn't part of those decisions. on that. 19 My understanding is KATE MCGRANN: 20 that IO had a role and a spot on the executive 21 steering committee for at least part of the way 22 through the construction of this project. 23 Is that consistent with your 24 experience?

BRIAN GUEST:

I believe so, yeah.

1 think at a certain point -- like, Rob would call in to those meetings. Again, advisory. But I 3 think I would pose these questions to 4 Mr. Manconi who was, I think, at that time 5 trying -- deciding to what degree IO had on an 6 ongoing utility or not. 7 KATE MCGRANN: Right now I'm posing 8 them to you, and I would like to understand what 9 you were aware of at the time, IO's continuing 10 involvement in the project. 11 BRIAN GUEST: Fair enough, Kate. I've 12 given you what I know. I don't have direct 13 knowledge. Nobody said to me, We're not going 14 to use IO any further. Nobody said that to me. 15 I didn't get a rationale. 16 The only rationale I could give you is 17 speculative in that they are -- it comes with a 18 cost, they are not -- you know, they're not 19 And I can only presume that the 20 decision-makers at the time weren't saying 21 ongoing value, to continue that. 22 KATE MCGRANN: And in terms of where 23 that speculation is coming from, was it the case 24 that IO was involved up to a certain point in

the project and then they weren't anymore?

```
1
              BRIAN GUEST: Well, until the
2
   procurement was complete. And then they very
3
   episodically for the executive steering
4
   committee, they came in. I can't tell you
5
   precisely when they stopped attending and why or
6
   whether they stopped being invited. I just
7
   don't know.
8
                             At some point, they did
              KATE MCGRANN:
9
   stop attending executive steering committee
10
   meetings, though?
11
              BRIAN GUEST: Yes, that's my
12
   recollection.
13
              KATE MCGRANN:
                             Did you see any
14
   involvement from IO during substantial
15
   completion considerations, trial running,
16
   decisions made about the launch?
17
              BRIAN GUEST: I wasn't -- I wasn't
18
   part of any of those discussions. I don't have
19
   anything to do with confirming substantial
20
   performance and substantial completion.
21
              I didn't have any role in the revenue
22
   service demonstration process. That was
23
   100 percent done by OC Transpo and Mr. Manconi's
24
   team.
25
              KATE MCGRANN: And did you remain on
```

1 the executive steering committee throughout that time? 3 BRIAN GUEST: I believe I did, yeah. 4 But like I said, I don't -- I didn't universally 5 attend. I was really there for, you know, kind of a broad experienced voice around -- around 7 multiple projects by that point. 8 KATE MCGRANN: When did your role on 9 the executive steering committee -- did your 10 role on the executive steering committee come to 11 an end at any point? 12 BRIAN GUEST: Did it come to an end at 13 any point? It kind of just petered out. 14 wasn't attending, and then I stopped being 15 invited, I think -- I can't remember exactly 16 when. 17 KATE MCGRANN: Can you help me 18 generally when? 19 Again, I'll have to come BRIAN GUEST: 20 back to you on that. 21 KATE MCGRANN: Before or after the 22 launch of public service? 23 BRIAN GUEST: I wasn't regularly 24 attending for sure before public service. I 25 don't really recall if I was in meetings where

status checks were being done. I know what I thought at the time about what the posture of the City should be.

And to the extent I was giving any advice at all, my feeling is that they should have been as relaxed as they needed to be to make sure that they got the system that they paid for.

And the fact that they were 18 months late while it was causing some strain around the City, it was just really important that you get what you pay for, and that you hold Project Co to account.

Now, Project Co was screaming to get out of -- screaming to get out of substantial completion at the time. Like, they -- to achieve substantial completion, to be more precise.

So they made several attempts to convince the City -- I do remember this, that substantial completion and substantial performance had been achieved because they wanted to start the annual service payments.

And the independent certifier agreed with the City that things that were being asked

1 for as -- what they call minor deficiencies were not indeed minor and were material. 2 3 And so they took -- "they" being 4 Project Co, took several kicks of the can. 5 can't remember how many. I think it was two 6 before they finally were granted substantial 7 completion. I do remember that part of it. 8 But the nitty-gritty of service 9 demonstration, I have no information for you on. 10 KATE MCGRANN: So in terms of when you 11 stopped attending ESC meetings, I think that 12 you'll take that away and come back to us? 13 BRIAN GUEST: I'll try. But you know 14 -- I'll try. The problem is, like, I was 15 really, really engaged in other projects then. 16 And so even if I have -- I think -- if I could 17 get access to something where I could review 18 what the agendas were the various ESC meetings, 19 I could probably tell you if I was there or not, 20 if attendance wasn't taken, which I expect it 21 would have been. 22 KATE MCGRANN: Were you charging for 23 your attendance at those meetings? Can you look 24 at your financial records and figure it out that 25 way?

1 BRIAN GUEST: Yes, I -- well, I can 2 try. I can look at my financial records and see 3 when I billed a couple of hours. But it won't 4 necessarily be clear evidence that I was there. 5 But the best evidence would be 6 attendance taken at those meetings, and it would 7 have shown if I was there I would suspect. And 8 those documents, I don't have, but I imagine 9 that the City has furnished them. 10 KATE MCGRANN: Just do your best, and 11 any caveats that you've got around what you 12 can -- what you're able to find, we'll take. 13 JOHN MATHER: We'll make inquires and U/T 14 provide an answer. 15 KATE MCGRANN: Let's take the morning 16 break now. It's 10:27. We'll come back at 17 10:40 if that works for everybody. 18 -- RECESS TAKEN AT 10:27 A.M. 19 -- RESUME AT 10:38 A.M. 20 KATE MCGRANN: So in order to make use 21 the time that we've got left, I'm going to jump 22 around in the timeline of the project a little 23 bit. So if at any point you don't understand 24 what I'm asking about, please do just let me 25 know.

1 Before we leave the discussion that we 2 were having about the City's decision to step 3 into the lenders shoes on Stage I, can you help 4 me understand to the best of your recollection 5 when the consideration of how to address the 6 lender's consent requirement began? 7 BRIAN GUEST: Date-wise you mean? 8 KATE MCGRANN: Yes. 9 BRIAN GUEST: I can't. I'd have to 10 get back to you that on that, Kate. 11 KATE MCGRANN: Okay. We'll ask you to 12 do that. And then --13 BRIAN GUEST: Temporally, it was just 14 before -- it was when Council was considering to 15 proceed with Stage II, and obviously a very 16 important issue was how we were going to 17 interact with the existing Project Co. How we 18 were going to get the lenders into the right 19 space, "we" being the project team. 20 And I certainly was involved in 21 helping to answer those questions with options 22 about how to do it. And so it would have been 23 temporarily just at the very beginning of the 24 planning of Stage II and there were two real 25 aspects of it. One was -- one was the aspect of

19

20

21

22

23

24

25

1 our interface with the existing Project Co 2 because it was on foot the BDFM, with all of the 3 interfaces that would need to be plugged in, 4 lack of a better term, to Stage II. 5 So, for example, one vital, and vital 6 means, you know, safe, signalling system that 7 has multiple levels of redundancy so you can see 8 where all the trains are, and all the trains get 9 controlled appropriately, and to the right 10 headways. 11 Well, Project Co owns -- Project Co 12 maintains that system, installed that system, 13 and has a service pattern in the base agreement 14 which is underlined by the payment mechanism 15 that dictates how those trains are meant to move 16 in the service levels that are contemplated in 17 the contract.

Those all had to be materially changed. And that meant not only that the lenders needed to be comfortable that those changes were going to be done and that they were going to be no better, no worse.

But also the Project Co itself needed to participate. And the City wanted to maintain the integrity of the long-term maintenance

obligations and expand them and be expanded to a new service kilometres that were going to run on Stage II didn't make sense to have two maintainers, and one MSF, one maintenance storage facility which Project Co also was their home for all the maintenance activities.

So that interface needed, first, to be dealt with. How we're going to do that, we initially opened negotiations with RTG to talk about how that would be done.

RTG took the view that the City should just give them a great big sole source to build Stage II. And the City didn't share that point of view, and wanted it to have a competitive procurement.

It didn't see the ability to give, I guess what would have been about \$3 Billion piece of public work to the Project Co.

So that's -- it was about limiting the scope that Project Co was going to take on for Stage II to maintenance, adjustment to the payment mechanism. There was some discussion about, we called at the time, ballast up, which meant Project Co might be able to install the rail systems, but not create the civil

infrastructure.

2.

2.0

But that was of no interest to Project Co because the owners of Project Co are largely heavy civil constructors, and they weren't interested in what was essentially work that Thales and Alstom would need to do.

Some heavy civil in terms of putting catenary up and rails. We looked at that, what that scope would look like. But it wasn't really of interest to the counterparty, to the Project Co at the time, so that was quickly abandoned.

A very good agreement with them to extend the pricing that was received in Stage I into Stage II including a recalibrated payment mechanism, and then they assisted the City in reviewing the payment, the PSOS, the Project Specific Output Spec, in respect of the maintainability of the resulting infrastructure.

So the arrangement was that Project Co would give feedback into what the PSOS needed to require and provided resulting infrastructure was built to the output specification that was agreed that they would be content to expand their maintenance services to cover the entire

line and to maintain all the accountabilities that they took on in Stage I.

KATE MCGRANN: With respect to the affordability cap that was used in the procurement process for this, my understanding is that, at a high-level, the way that it worked is if one bid came in under the affordability cap, no bids that came in above the cap would be considered. Is that fair?

BRIAN GUEST: Yes, it was gated. It was called gated. But it would be a bit easy to over egg that. So the way the evaluation worked in IO procurement is geared, what they call geared.

So the financial is 500 points and 500 points. Five hundred for technical, 500 for price. And for every percent that the winning bidder is -- basically, all the 500 points, 450 because there's some 50 for quality of the financial offering.

But the 450 points go to the proponent with the lowest price, and then for every percentage, you are off that lowest price as a bidder, you lose 30 points.

So you can see that if somebody is

3 percent off the lowest price, 3 percent is not that much but, you know, you're 3 percent off, you're losing 90 points against 500. And the 500 in the technical, you know, tend to cluster around 70 percent of those points because people try to exceed the output specification, but they don't give you bells and whistles that you didn't ask for in the output specification.

So everyone -- the scores can de-cluster on the technical side, and the whole evaluation mechanism in the standard contract, standard P3 evaluation is geared with that 30 to 1 gear.

And that's an area where changing that gearing from 30 to 1 to something else, like five to one is something worth reviewing, in my opinion, because what it does is it really does drive everybody to be very price -- very focused on price.

So, yes, we had a gate, we had affordability cap. We thought that the cap was ample. In doing of it, all three bidders came in under that cap as I recall. And so the gating never drove anything. But in addition to the geared financial thing, the City wanted to

show a very clear signal to the marketplace that it had only so much money, and that's the amount of money it wanted to deploy on this project.

So that was a conscious decision that the City manager took in terms of what he would prepare to recommend to Council, and Council also was equally focused on making sure that affordability limits were respected.

That said, if it had turned out as it did in Stage II that the market responded and said, Look you've got 8 pounds of potatoes in a 5-pound bag here, then the City would have had a choice to make, either in-market, reduce what you are asking for, get rid of a station, for example, like a deep station where there's like serious money on the table, like 150, 200 million-dollar station.

So there would be descope in market that you would have an option to do. The bidders would tell you, usually they'd tell you in these procurements, You've got an affordability problem, you're asking for something that can't be built for that. We did not get that in Stage I. We did not get that, that I recall.

So there was no pressure to descope anything. There was always value engineering that needed to go on, and there was sometimes requests in market for us to consider adjustments to the output specification which bidders might view as overly onerous and unnecessary, and probably that was done on a number of occasions in terms of changes to the output specification, changes to the risk transfer.

I don't have a specific example of that in my mind, but -- yeah, so that's the story on gating is that it was an additional market signal and it seemed to be fine. So it was a thing that was in the -- certainly was in the process as a way of communicating to the marketplace that this was a really big issue for the City.

And if anyone had had a problem with that, they would have spoken up in the commercial confidential meetings or in the process to say, Look, this cap can't be respected. And that's what happened in Stage II. And I think Stage II came in 40 percent over the estimated budget, market

conditions had changed. And the City still proceeded with the project.

So if everybody had come back and said, We're over. But if one group, for example, hadn't been able to, and the other two had, it was very clear that the City was going to want to go with a group that had solved the value engineering problems necessary to bring the project in the available resources.

KATE MCGRANN: Was it the case that the affordability cap was it used again in Stage II, and all of the bidders said, No, we cannot do it?

BRIAN GUEST: I believe that all of the bidders said that there were affordability issues. I don't recall whether there was a gated cap. But there definitely was signals in advance of Stage II proposals that they -- there was an affordability event, so to speak, that was likely to result on the other side.

KATE MCGRANN: Has the affordability cap been used on any of the projects that you've worked on subsequent to Stage I?

BRIAN GUEST: Well, now you're getting into Toronto projects. I believe affordability

caps had been put into place on other projects,
but I can't be specific about that.

KATE MCGRANN: With respect to the use of milestones on this project -- let me start by asking this.

Was there any -- you've mentioned Canada Line before. Were there any precedent projects that the City was looking to as it built out the project agreement from the social project phase to something that could be used for the LRT?

BRIAN GUEST: Yes. Deloitte would have done that. And Deloitte would have looked at all kinds of different precedents. In the UK and in Australia, there had been extensive use of P3s to deliver rail.

So I don't know precisely those sorts of granular issues about, are you going to go milestone, are you going to go earn value, are you going to go actual cost, these are your methodologies for paying for progress.

I think that milestones was not successful in Ottawa in terms of there were a number of issues that they engendered that were best avoided. And so on all other projects that

I've been part of going forward, we used earned value.

I don't want to -- you know, that's not true of GO Expansion, which is an actual cost contract because it's a collaborative contracting model, still a P3, but it's a collaborative contracting model for GO Expansion. But for Eglinton and Finch and Hurontario, I think they went -- they were earned value.

So let me just observe for you what some of the problems with milestones are that did occur. There are almost all to do with definitions.

So every milestone becomes kind of like, kind of, a mini substantial completion, for lack of a better term, and arguments arise, arguments, disputes arise when the contractor is saying that a certain milestone has been achieved and the City does not agree with that assessment.

And they've got a little bit of a financial incentive to push the envelope as the Project Co, they want to get cash flow, they want to get money in, if they're late in

establishing a milestone that has -- that can have consequence in Project Co including the parent companies have to do what they call a cash call, and inject resources into the project to keep the project in a good cash flow position which they really loathe doing.

So in the case of the tunnel milestone in Stage, I'll use that as an example. The language, for whatever reason, wasn't exceptionally clear about what progress in the tunnel needed to be done in order to release milestones.

So there was a bit of a debate as I recall around -- around is that, like, half of the tunnel on a linear basis? Is that half of the tunnel on a volumetric basis? You know, I don't think that was clearly spelled out.

So there are definition issues around milestones. And milestones took on a -- probably a distracting aspect to the administration of the contract. Again, I wasn't day-to-day there, but I know that milestones cause issues, and you sought to avoid them in Toronto projects for that reason.

Earned value is, to me, the better.

1 Earned value basically pays on progress and 2 works in the ground and is assessed on a monthly 3 basis. 4 KATE MCGRANN: Do you know why the 5 City chose to use a milestone approach for 6 Stage I? 7 BRIAN GUEST: I do not. I think 8 Deloitte and IO really assessed the variety of 9 options that were available and made that 10 recommendation and it was accepted. 11 KATE MCGRANN: Do you have any 12 involvement in the determination of the trial 13 running requirements as they were set out the 14 project agreement? 15 BRIAN GUEST: I did not. 16 KATE MCGRANN: Do you know if any 17 precedents were used to draft that portion of 18 the project agreement? 19 BRIAN GUEST: I imagine they were. 20 I shouldn't be so categorical. Did I 21 have any -- I'm sure I was in the meetings where 22 we talked about wanting to have a revenue 23 service demonstration. For sure, I was in those 24 discussions. I didn't have a view whether it 25 should be 12 days, it should be 30 days, it

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1 should involve a threshold for failure or success.

It's an area where -- it's an area where the thinking in Ontario has evolved for sure in terms of making sure that there are more demanding. And as I said earlier, the reason revenue service demonstration and substantial completion is just so important is that you're not telling them how to build it, you're just telling them what it needs to do when it's built.

So that phase of the program is the stage at which you confirm that output specification has been delivered. So it's important and I think, you know, on other projects that have come later, the term on which the demonstration is going to happen and the nature of that has become better than the Ottawa But it's not perfect yet. version.

I think it still would be an area that project teams have to be really focused on carefully, in -- in setting forward. And I know on subways, for example, that they are very much improving that regime from what was kind of like a 1.0 in Ottawa. I imagine that --

1 KATE MCGRANN: So would you say --2 Go ahead. sorry. 3 BRIAN GUEST: I imagine Deloitte did 4 look at other systems and try to establish best 5 practice. 6 KATE MCGRANN: You say you imagine 7 Are you aware of them doing that? 8 BRIAN GUEST: Well, it would have been 9 their role to do that. I don't have a specific 10 memory of them, you know, issuing a report or 11 specific advice about it. But it certainly 12 would have been part of their role. 13 Remo Bucci would have been the lead on 14 that along with Infrastructure Ontario who did 15 have lots of experience with commissioning, but 16 not on LRT. Like, every time, they do a 17 hospital, they commission it. 18 So in that sense, Kate, that would be 19 what we were working with in terms of precedent, 20 and mindset was, you know -- are all the 21 operating rooms capable of doing what they need 22 to do, and the requisite number of them, and all 23 the rooms available, all the elevators and 24 escalators commissioned. 25 You know, it's not just this is a

```
1
   train run, it's also all of the ancillary things
2
   in the stations that need to be done properly.
3
              KATE MCGRANN:
                             When you say that
4
   travelling requirements have gotten better since
5
   Ottawa, what do you mean by that? How have they
6
   gotten better?
7
              BRIAN GUEST: Well, they've gotten
8
   more precise in terms of -- in terms of what
9
   pass and fail looks like. And they've gotten
10
   longer.
11
              KATE MCGRANN: Can you speak to what
12
   the length change looks like?
13
              BRIAN GUEST: We're starting to get
14
   into the stuff where I might -- I'm not sure
15
   what I can say and can't say because I've got a
16
   client that I'm obliged to maintain
17
   confidentiality for. But I think -- I think it
18
   is public.
19
              JOHN MATHER: Brian, let me interject
   U/T
20
            Why don't we just confirm whether
21
   there's any restrictions, and then we can answer
22
   the question if we can. And if we cannot, we
23
   can tell the basis on which we can't answer, and
24
   we can follow up if we need to.
25
              KATE MCGRANN:
                             That's just fine.
```

```
1
   respect to the geotechnical risk transfer in
2
   Stage I --
3
              BRIAN GUEST: Yes.
4
              KATE MCGRANN: -- the gated approach
5
   that was used there, have you seen that approach
6
   used on any project that you've worked on since
7
   Stage I Ottawa?
8
              BRIAN GUEST: No. Well, sorry. I
9
   don't want to be -- I don't -- I don't recall,
10
   and again I'm getting into stuff for -- in
11
   another city and another client.
12
              But I'm happy to talk about what we
13
   faced in terms of geotechnical risk transfer and
14
   why that system was adopted.
15
              KATE MCGRANN: Well, let me ask you
16
   this way. And if you don't feel you can answer
17
   this question, you or your counsel will let me
18
   know.
19
              But in terms of where the market is at
20
   now, would the gated risk transfer used in
21
   Stage I be a viable approach for a procurement
22
   of a project of this nature today?
23
              BRIAN GUEST:
                            I think so, yes.
24
              KATE MCGRANN: Can you expand on that?
25
                            The approach -- it
              BRIAN GUEST:
```

1 wasn't really gated. It sort of was gated. 2 There was a strong preference that the principal 3 of the -- the entity most capable of dispatching 4 the risk or managing the risk, take the risk. 5 So on tunneling, as an example, there 6 was two dominant methodologies that one could 7 employ to build the tunnel. 8 We had pretty good conditions. So 9 most of the alignment at that depth was in 10 bedrock, which is what you want when you're 11 tunneling. There was a narrow band of about 200 12 metres right around Sussex by the Rideau Centre 13 that was what's called glacial till, which is 14 basically sand with a bunch of boulders in it. 15 We knew all about that. And had done 16 huge numbers of investigations and drills, core 17 samples. So the choice of means and methods 18 between a tunnel boring machine and a sequential 19 excavation was left in the hands of Project Co 20 and in the proposals, and in the City, in fact, 21 we got a variety of methods. 22 We got one group that had -- was going 23 to use a TBM, a tunnel boring machine, and they 24 had to contend with the potential issue that 25 there may be tiebacks, and tiebacks are kind of

rods that stick out from a form when you're doing a base of a building.

Those tiebacks could still have been in the right-of-way, and they are basically rebar, metal. When they get into the teeth of a tunnel boring machine, they can cause the tunnel boring machine to have big problems and it was pretty narrow for a TBM.

The group that ended being successful went sequential excavation. And they used what they call a rock header to, kind of, claw away at the rock.

So I think given those ground conditions, transferring the tunnel risk completely was absolutely the right way to go.

The responsibility for doing the tunnel would always have been Project Co, so we just talked a little bit more precisely about the transfer of risk issue that was done in the risk ladder.

The first rung, if I'm not mistaken, was Project Co takes all of the responsibility for the tunnel, it's execution, without a delay and compensation event or a supervening event of any sort other than if the data turned out to be

2.

wrong, and we knew it was wrong for some reason.

The data being the drill shafts, the geotechnical investigations that the City had done and gave to all the bidders in the bidder agreement.

The second layer down was the City would furnish from Golder & Associates a geotechnical baseline report. And a baseline report establishes that -- basically interprets the data. So on the first level, you get just the data, you do your own interpretation.

Second level is here's a report, this is what Golders, which is a world-class organization in geotechnical, thinks the data tells you. And then the third rung down was still get the baseline report, and the total risk of that element was capped and the City was on the hook for anything above that.

So there was never a lack of enthusiasm by anybody on the project team for transferring all of the risk and trying to do so with as little access to supervening events as possible. That was never controversial.

What was an issue was whether the market would bid that and whether it would be an

2.

issue that lender would get comfortable with.

And the only way to get to the bottom of that was to put it to the market. And so if the market felt that that level of risk transfer was inappropriate, they would have selected -- they would have selected one of the other steps on the ladder.

And I think largely it was financial, financiers, the bankers, who were, like, worried that just going -- bull ahead, were going to transfer and we're not going to give anything except coverage on the data quality would not find favour in the marketplace and we could end up with a failed procurement on that score.

And so the solution to that, which everybody agreed with, was to create those steps and let the market respond in the way that they thought was appropriate, because they wanted the baseline report and they wanted to have supervening event coverage against the baseline report, then the market would have responded in that way and it would not have been an un-biddable job, it would not have been a failed procurement.

If they were even more risk-averse

than that and they wanted to have a cap on the tunnel, they would have done that.

So we kind of give them the reign, you choose, you know. In the doing of it, they all took it. They all took the top rung. And it's really worked out for the City that that's how it ended up because we did have the sinkhole event.

The sinkhole event was caused by
Project Co in the City's -- the City has
demonstrated, I think, satisfactory that. I
don't want to get into privilege, but -privilege stuff and I see that nobody's here
from the City to discipline that.

But, certainly, I think there was an insurance claim made. The insurers paid for that sinkhole. Project Co wasn't just carrying the bag, they insured themselves against any such risk, and the sinkhole happened precisely where everybody understood, sort of, the place that you had to be most comfortable in that glacial till area.

But when it did occur, pretty much every cement truck within a hundred miles of Ottawa was there and putting cement into that

1 hole and plugging it. And Project Co worked 2 very hard to recover, and did recover some 3 measure of schedule. 4 But the only thing that was in debate 5 was what level of supervening event did they 6 get, not whether they were going to be doing it, 7 whether they were responsible for it or not. 8 And I would just also say full tunnel risk is 9 transferred all over the place, like, you know, 10 it's not normal to cap it. 11 KATE MCGRANN: I'm going to show you a 12 CBC news article. Bear with me for a second and 13 then we will figure out sizing. This is a CBC 14 news article, dated November 9th, 2021, the 15 quote: 16 "The 'vitriolic' argument of a 17 judicial inquiry into Ottawa LRT 18 extends beyond Council." 19 Can you see this article okay? 2.0 BRIAN GUEST: I can, yes. 21 I'm going to take you KATE MCGRANN: 22 to page 4 of this article and a couple of 23 paragraphs in, this article describes an email 24 that you wrote to Bob Chiarelli on October 16th. 25 It describes it as a personal email. I don't

```
1
   believe that you've produced a copy of this
2
   email to the Commission. Is that right?
3
              BRIAN GUEST: That's right.
                                            I don't
4
   have it. I had to get it from Max who got it
5
   off of a website.
6
              KATE MCGRANN: Who is Max?
7
              BRIAN GUEST: Max is John's colleague.
8
              KATE MCGRANN:
                             So you have a copy of
9
   it?
10
              BRIAN GUEST: I do somewhere. I don't
11
   have it before me.
12
              JOHN MATHER: We provided a copy of it
13
   to Mr. Guest last week in preparation of the
14
   interview.
15
              BRIAN GUEST: But I recall the email,
16
   yes.
17
              KATE MCGRANN: Why don't you have a
18
   copy of this email?
19
              BRIAN GUEST: Like, it's not generally
20
   my habit to keep emails. I think I deleted it
21
   off of my phone, and I just don't.
22
              KATE MCGRANN: And so I take it that
23
   you deleted it then?
24
              BRIAN GUEST:
                            Yeah, I presume.
25
                             Did you read it from
              KATE MCGRANN:
```

```
1
   this email from your personal email account,
   from a Boxfish email account?
3
              BRIAN GUEST: Same deal, yeah.
4
              KATE MCGRANN: You use a single
5
   account for personal and business?
6
              BRIAN GUEST:
                            Yeah.
7
              KATE MCGRANN: With respect to the
8
   portion of the email that's excerpted here, we
9
   have you writing:
10
                   "You know who you are screwing
11
              with this support for the judicial
12
              inquiry right? Someone who has always
13
              been your loyal friend and servant."
14
              Is that "someone" that you are
15
   referring to in the email yourself?
16
              BRIAN GUEST:
                            Yes.
17
              KATE MCGRANN: Can you explain how
18
   Mr. Chiarelli was screwing you with his support
19
   for the judicial inquiry?
2.0
              BRIAN GUEST: Sure. First of all, it
21
   was meant out of a concern, and it was a
22
   personal email from me to him as somebody who
23
   really cares about him, his legacy. I consider
24
   him a friend and mentor. He gave me my first
25
   job in politics that was meaningful, and, you
```

know, I just -- I care for the guy. And so I
speak -- I thought I could be, you know, kind of
candid in terms of my expression of my opinion.

And, you know, in my esteem, I thought the calls for judicial inquiry were 100 percent politically motivated on two vectors. The first being that the NDP in Ontario has had a long running mischaracterization, in my opinion, of the merits and strengths and weaknesses of the P3 model.

So I didn't think it was well motivated. I didn't think it was going to be focused at all on the right things. And the right things being fixing the system to be what the City of Ottawa paid for, to be stable and to be reliable.

And those things had nothing to do with what would be reviewed in a judicial inquiry, in my opinion. But also particularly there were three councillors on Council who were using this call for judicial inquiry to effectively get at the mayor because as it's turned out in due course, two of them planned to run against the mayor, although the mayor is not seeking reelection, but it was very

21

22

23

24

25

Brian Guest on 5/18/2022 1 transparently what was happening was a lot of 2 politics. 3 So I thought that the last thing I 4 wanted was -- I'm a private guy, you know, I 5 don't run myself -- don't like to be in the 6 public eye. And I thought that Bob was going 7 along, Bob Chiarelli was going along with 8 something that was very poorly motivated, and 9 very unlikely to help. In fact, much more 10 likely to hurt. And hurt in a couple of 11 important ways. 12 For me personally, I'm hugely engaged 13 in all the transit projects in Toronto and this 14 has been really an unwelcome distraction. Tt. 15 would have been an unwelcome distraction. 16 And I'm happy to be here with you 17 being as helpful as I can with my recollections. 18 I don't have any concerns about being completely 19

transparent about everything I did and remember. It's nothing about that.

It's just that when you're going 12 hours a day on really important projects you're passionate about, being a part of a process, at that point, I was talking about a judicial inquiry that was motivated entirely by small,

1 kind of, politics, I just thought, What the heck 2 are you talking about, Bob, going along with 3 that as a thing? 4 It's not without its financial 5 consequence. I had to pay, you know -- pay my 6 lawyer. I have to -- I have to -- you know, it 7 may shock you, but it's no fun, right? And I 8 know you have done a lot of these, so maybe it's 9 okay. But I'm not -- I don't necessarily enjoy 10 it. 11 It's just not what I want to try to do 12 with my time. So I was not welcoming of a 13 judicial inquiry. I also thought that for the 14 people who are retired from that time, people 15 like Kent and Nancy and John Jensen, that, you 16 know, was really, you know, thinking about 17 anybody else. I think he was just -- I don't 18 know what was in his mind. 19 But he was -- I heard him on the 20 radio. I heard him saying that a judicial 21 inquiry was something that he would do if he was 22 in the mayor's chair, and I thought he sounded 23 poorly informed and off-brand for him to be, 24 kind of, going into that spot. 25 The two really much more material, to

me personally, down sides are there's a very big lawsuit going on around default right now. And it's something that I think is going to -- a judicial inquiry was, in my opinion, at that time, would not have been consistent with the City's best legal positioning in respect of holding Project Co to account, and seeking redress from SNC-Lavalin, Ellis-Don, and ACS Dragados.

So there was that backdrop. And just from a practical matter, I knew that a judicial inquiry would not have access to the privileged materials that would be necessary to actually get to any type of meaningful outcome if you were trying to do a root cause of why isn't the system -- why did it derail? Why has it been unreliable? What are the issues between the maintainer and the constructor?

As you know, there's Project Co, but then there's a construction company that has all of the construction drop down to it including the vehicles. And there's a maintainer, and all that's dropped down.

All of that stuff inside Project Co, that's where all the action is. The technical

reports that do root cause analysis, that's where you're going to find, you know, the whys and wherefores of what's going on here.

And none of that it's going to be available to the judicial inquiry because it's all going to be privileged and it's all going to be focused around that court case.

And then I guess the other point I would make is that there's only a finite number of people at the City who do this work. But -- as in, try to fix the system so that it's reliable for people, right? Try to administer the contract.

It's Michael Morgan, it was John Manconi, it's the city manager, you know, all very focused on getting the transit system to be reliable. And dropping a judicial inquiry on them so that they had to spend their time preparing and participating in such a process was going to be a very unwelcome distraction, I thought.

And for what purpose? I mean for what purpose? The only purpose was gamesmanship on Council. And I have always understood Bob to be much more about ideas, Bob Chiarelli, I mean,

1 much more about ideas and principle. I also 2 understood that he was for, in no uncertain 3 terms, a P3. He may or may not remember, I 4 don't know. 5 But he definitely was. So the whole 6 thing struck me as something that a friend who 7 had been in service with him for years and was 8 very close to him when I was, and I feel like 9 he's still a friend and mentor, was saying on 10 the radio -- it was just so off for him. 11 So I sent a note to him, which he 12 appears to have been offended by. That's what I 13 meant. 14 KATE MCGRANN: So focusing on this 15 statement that I've drawn your attention to on 16 the screen here --17 BRIAN GUEST: Yeah. 18 KATE MCGRANN: -- in which you inform 19 Mr. Chiarelli that he is screwing you. The 20 strong language that you have used to describe 21 the impact on you, your evidence is that the impact is that, one, it would take some of your 22 23 time; and two --24 BRIAN GUEST: My time, yes. 25 Two, if you chose to KATE MCGRANN:

1 retain a lawyer, it would cost you some money. 2. That's everything that you are 3 referring to in that statement? 4 BRIAN GUEST: Yes, pretty -- and --5 and -- and, you know, I -- look, if I had a time 6 machine, I could go back and not include that 7 line. I was trying to jar -- I was trying to 8 jar Bob into, like, thinking about somebody else 9 but himself. 10 And I don't know. I wouldn't do it --11 I wouldn't put that language in again. And if 12 you think that my being worried about how hard I 13 worked on my current projects and having a very 14 large distraction was over egged by saying screw 15 me, I'll take that criticism. 16 And, you know, I wouldn't do it again. 17 But, you know, pretty much my diagnosis in the 18 body of the email, the rest of the email is I 19 still agree with today. I think it was small 20 politics, I think it's unlikely. 21 I think this inquiry, as much as I 22 will help in any way I can, is going to face the 23 same barriers in respect of being able to access 24 privileged documentation and having to navigate 25 given the extremely short timelines that the

2.

2.0

2.1

government has given the inquiry.

I think you're going to have some challenges to try to develop answers that are meaningful and impactful in terms of doing -- avoiding problems in the future, and actually getting the system into a position where it's performing the way the City wants.

But God love you, those are your challenges. I'll help you in any way I can. But, yes, that is what I was thinking was, God, man, you know, think about all these people who are retired, think about me, think about what you're saying and how you brand yourself when you talk on the radio.

KATE MCGRANN: Let's look at page 5 of this article. It says that in your email you blame:

"The problems of the Confederation line on the 'failure of the private sector partner to properly design and construct and maintain the system' and they should be held to account."

Starting with "failure to properly design," what design failures were you referring

1 to? BRIAN GUEST: Well, I'll return to my 2. 3 long machine analogy --4 KATE MCGRANN: I would like to know 5 specifically what design failures you were 6 referring without reference to an analogy 7 please, only because we only have half an hour 8 left. BRIAN GUEST: Oh, okay. Well, 10 everything has to work together. So there's, 11 like millions of design decisions that go into 12 making sure everything works together. So I'll 13 give you an example. 14 KATE MCGRANN: Are there any specific 15 design failures that you are aware of in this 16 project? 17 BRIAN GUEST: I will give you one that 18 pops into my mind. It's really clear. So you 19 may have been familiar with wheel flat issue 20 that wheels were running flat. Flat because the 21 way that the signalling system has integrated 22 into the train, which was a construction 23 responsibility under the DB construction 24 component, was too tightly wound. 25 And too tightly wound in the sense

2.0

that the machine signalling system was causing the brakes to trigger in a way that caused the train wheel to stop turning, and then the tractive force basically wears a flat spot in the wheel.

One hundred percent a design and software failure on Project Co's doorstep. People experienced that as the train has a problem. It was a problem that arose because there was no wheel lathe at substantial completion which there should have been.

So addressing that problem was an issue. And what couldn't be addressed as quickly as, I think, everyone would have liked to have seen addressed. But it arose because of a failure of Project Co to make sure that signalling system was tuned properly so those wheels would not be stopped in a forced braking situation.

I'll give you an example in relation to construction if you want me to go there too, but --

KATE MCGRANN: Just one thing at a time. I'd like to know if there are any other design failures that you were referring to in

23

24

25

1 this email to Mr. Chiarelli? 2. BRIAN GUEST: I was speaking 3 Like, you know, I was speaking generally. generally. I don't have a -- if you get the 4 5 McDonald report, which I imagine is privileged, 6 you will get lots of information on where the 7 design errors. 8 Another one that comes to my mind is 9 there was meant to be low slip stairs going down 10 to the stations so that even in the presence of 11 slush and snow, people would not slip and fall 12 down the stairs. Pretty common sense. 13 Project Co did not apply the correct 14 design, and did not apply the correct materials, 15 and did not apply the correct coating on the 16 materials to achieve that outcome. And that had 17 come to light and had to be addressed 18 after-the-fact. Another --19 KATE MCGRANN: Can I just stop you 20 because I think this will help focus our 21 conversation. The Commission, as I expect you

know, has been asked to look into the commercial and technical circumstances that led to the breakdowns and derailments on the system.

So with respect to the breakdowns and

1 derailments, were there any other design failures that you were referring to in your 3 email to Mr. Chiarelli? 4 BRIAN GUEST: Focusing only on design? 5 I -- you know, whether that gearbox should have 6 been better secured than the present 7 configuration is a -- is a good question for a 8 technical expert. As I understand what happened there 10 was there was shift change and the maintainer 11 didn't keep track of the fact that the gearbox 12 hadn't been properly remounted to the bottom of 13 the bogie, to the place near the bogie that it 14 sits, and that it came loose and caused the 15 derailment. 16 That's my understanding of what 17 happened. I'm not very close to it though, you 18 know, other design flaws. 19 There's lots of lawsuits going on, I 20 think, internally to Project Co around Project 21 Co's view of where the designer let them down. 22 I don't have transparency into that, but they 23 certainly do exist, you know, and you'll want to 24 inquire into those with the people that are 25 involved, and you'll find out more in terms of

depth.

2.

There's some execution error as well in terms of, like -- so on a catenary, which is the wire above the train, there's tensioners that are adjustable. And when they were installed on this project, they were installed to the maximum. But you're supposed to be able to loosen and -- loosen and tighten them so you get the right tension on the catenary.

And so as a result, which is kind of unheard-of, the project broke the catenary, like a brand-new catenary, kind of, early on and caused the system to have to stop for, I think, a couple of days while they remedied that situation.

Again, that's workmanship, right? And all this stuff you've entrusted Project Co to do these things, you know. You're not -- yes, you have boots on the ground. Yes, you do an inspections, but really it's their accountability to make these things work properly and that's what I was referring to.

KATE MCGRANN: In order to make the most use of the time that we have left, I'm going to ask your counsel if you will provide to

1 us, by way of a written response, each of the design failures, the construction failures, and 3 the maintenance failures that you are referring 4 to in this email to the extent that you haven't 5 described them already to us today. 6 BRIAN GUEST: Sure. 7 U/T JOHN MATHER: That's fine. We can --8 BRIAN GUEST: To the extent that I'm 9 allowed to do that given the presence of the 10 lawsuit, I will do so. 11 JOHN MATHER: If there's any 12 limitations in our ability to answer, we'll set 13 that out. 14 KATE MCGRANN: Before I proceed any 15 further, I'm just going to check in with my 16 colleague. Mr. Imbesi, do you have any 17 follow-up questions on anything we've discussed 18 so far? 19 ANTHONY IMBESI: No, I don't. 2.0 KATE MCGRANN: It's not clear to me 21 what your level of involvement in the project 22 was when RTG began its submissions for 23 substantial completion. 24 Can you help me understand who you 25 were speaking with on this project at the City

2.

around that time?

BRIAN GUEST: Well, my involvement with substantial completion was very minimal. I was more focused at that time on the two dominant things I was back to help with, which was the construction related claims, and the -- and the need to step on with Stage II.

So I was working with Mike Morgan

Mike -- Mike -- I think I've got his right name,
last name. Mike, who is currently in charge of
the program. And John Manconi, principally John
Manconi. And to some extent Steve Kanellakos.

And to some extent Stephen Box in Steve
Kanellakos' office.

In respect of what was the City's legal position, and how did it best prepare itself for major disputes. I also participated with Mr. Manconi in without prejudice discussions with Project Co in an attempt to resolve any of those following the schedule 27 dispute resolution process which calls for the escalation through steps from the closest to the ground, so to speak, in terms of running the project, all the way up to the City manager, and if they can't be resolved, resort to the IC --

1 the IC is not valuing things, so we were at a stage then without disclosing any of the 3 conversations that happen in a without prejudice 4 discussions where the City was bereft of the 5 requisite information that it would need in 6 order to properly process those construction 7 claims. 8 And that was, again, because the legal 9 positioning of RTG was such that they preferred 10 just to wait for a court action or an 11 arbitration. I don't think they were interested 12 in an arbitration in order to furnish the 13 information because they wanted to maintain 14 flexibility on being able to develop their 15 theories going forward. 16 So we weren't successful in dealing 17 with any of those, and I think they've all gone 18 to dispute, and were not wrong, all but a 19 handful had been found in favour of the City. 2.0 KATE MCGRANN: And what were you doing 21 with respect to the applications for substantial 22 completion? 23 BRIAN GUEST: Almost nothing. I mean, 24 I think I was -- I think I was aware at the 25 time, I think I still was attending executive

25

1 steering committee. So I would have been aware of the same level that, you know, somebody in 3 those meetings would have been aware of where 4 things were at. 5 But, again, by that time, Council was 6 attending those meetings, and lots of legal 7 advice was going around, so I should steer clear 8 of talking about what happened in some those 9 meetings because I'm sure that those 10 conversations were privileged. 11 KATE MCGRANN: You said earlier that 12 your advice to the City was that they should be 13 as relaxed as they needed to be. I think that 14 I've gotten that right, but you can let me know 15 if I've got it wrong. 16 BRIAN GUEST: No. That's correct. Т 17 thought that the City should emphasize one thing 18 alone, which is not time, not urgency to get the 19 service into play, but to get what they paid 20 for. 21 KATE MCGRANN: Can you help me 22 understand the context in which that discussion 23 or those discussions were taking place?

BRIAN GUEST:

just a general -- a general -- general kind of

I mean, I think it was

view that I was -- that I held, that I didn't -- I didn't -- there was no time even in -- well, there was no time in which I said, You shouldn't take the system in this condition. That didn't happen.

I wasn't aware that there were any major problems. I was aware that the City was trying to be as flexible with RTG as it could because the City did want to get the temporary transit way out of commission and start the service. Everybody was anxious for the service to start.

And the City had quite a bit of money on the table because it was still running the buses in a less efficient way than it could before the transit way was repurposed.

So there was all those costs associated with that. And I think that's partly why the City chose to do, you know, the full launch when it did after substantial completion was achieved.

I did -- I did, at one point, I think in a social hallway talk say that I was worried about that at the Tunney's interface where customers are going to have to -- customers were

going to have to get off their bus and get onto the train, that doing that in too big a bang would be tough for customers to learn the new patterns of how they had to move, and put a lot of pressure on the City to get that, you know, you've got to have a whole bunch of buses staged there. You've got to run them through that loop. You've got to get people off, you know, and keep the flows going.

And it's even harder on the way out.

And it's even harder on the way out.

Like, on the way in, it's one thing. But on the way out, when you've got trains coming in disgorging large numbers of people -- remember we were 9300 people per hour, per direction even before the system. We were -- our City was into 10,000 or 11,000 people per hour, per direction so I was concerned about that.

I did express a concern about that and I was reassured by the answer that they put a lot of work into being ready, and they felt that they would be ready to execute that. And it wasn't a big -- it wasn't a big deal. I didn't -- I didn't -- you know, I wasn't overly colourful about it. I was just like, Are we sure?

1 KATE MCGRANN: Staying focused on the 2 concept that the City should stay as relaxed as 3 it needed to be and take the time required to 4 get the system it paid for, this is a view that 5 you held at the time that substantial completion is being applied for, right? 7 BRIAN GUEST: It is. 8 KATE MCGRANN: And --9 BRIAN GUEST: I didn't understand why 10 people were taking the pressure to the extent 11 that they were as an issue for them. It was an 12 issue for RTG to deliver the system to the right 13 tolerance, and I thought the people would -- of 14 Ottawa would be okay to wait for as long as it 15 took to get what they paid for. 16 So that was kind of my general theme. 17 I don't remember specific conversations in that 18 respect. But it was a general theme of my 19 mindset at the time. 2.0 JOHN MATHER: Sorry, Kate. I hate to 21 interrupt. If you're not sharing the screen 22 anymore, can you take off the share screen? 23 just finding it hard to see the little boxes. 24 No problem. KATE MCGRANN: 25 Who did you share that view with that

the City should wait until it was going to get the system that it had paid for?

BRIAN GUEST: I don't have a specific memory of doing it. But again, I don't want to talk about privileged conversations. I don't remember if I said it at the executive steering committee. But it's just my general posture.

It's like there was worry. There was anxiousness to get the system into play, and I thought that that anxiousness was something that should in no way be in any kind of person's mind when they're going through the final steps like that.

And so I felt the urgency should all be with RTG in order to make sure we got as a city what taxpayers paid for. I don't remember specifically any conversations. I certainly didn't make a big deal out of it. I was just, like, it was a posture thing.

KATE MCGRANN: At any point prior to the launch of public service, did you feel that there was no longer a need to wait and that the system was what the City had paid for?

BRIAN GUEST: I don't think I ever really formed a view. Like, unless I had been

1 in the actual guts of the commissioning, I 2 wasn't aware of what compromises, if any, were 3 being made. I know some compromises were made. 4 There were fewer vehicles than were 5 meant to be, which put more pressure on the 6 operator from a spare perspective. Having the 7 right number of spares I think was important. 8 I'm not sure -- the City was trying to 9 be a good partner with RTG and not holding out 10 for every single vehicle. But maybe I'm a hawk 11 that I would have, I think. 12 The wheel lathe, I gave you an example 13 of that. Why it caused a problem down the road, 14 I think they agreed to go to substantial 15 completion without it. 16 But, you know, the test for whether 17 someone has reached substantial completion I 18 think is laid out in a law with the concept of 19 substantial performance. And you're not 20 actually entitled to just say, Well, look 21 there's a ding on that, you know, there's a ding 22 on that tile there, I want that tile fixed. 23 You have to use proper discretion in 24 terms of when substantial performance has been 25

achieved. The IC agreed with the City that

substantial performance had not been achieved several times.

The City was trying to actively work with RTG to make sure that they did get what they paid for, and I think at a certain point, you know, they made a call that they did, and I didn't -- I didn't have a view whether that was the right call or wrong call.

I wasn't involved in conversations between the City manager and Mr. Manconi and RTG about what would not be present for substantial completion or for revenue service availability.

KATE MCGRANN: I'm not actually asking you about substantial completion or revenue service availability. I'm focusing on the view that you are informed that the City should relax and take the time it needed to get the system that it had paid for.

And I'm wondering if at any point you formed the view that the City didn't need to wait any longer because the system it had paid for was going to be delivered by RTG.

BRIAN GUEST: Yeah. And that's why I answered the way I did, Kate. I didn't form a view. I didn't take a view. I just counselled

1 that they should have that posture. 2. KATE MCGRANN: With respect to the 3 City's decisions to enter the term sheet and 4 otherwise proceed through revenue service 5 availability, were you involved in any 6 conversations with anybody at the City about 7 those decisions or considerations related to? 8 BRIAN GUEST: Not that I recall. Τ 9 certainly didn't have -- I was an outlier. Т 10 wasn't party to the discussions around what you 11 call the term sheet. I'm not sure that I even 12 knew there was one at this point. 13 I guess there must have been some type 14 of agreement in respect of outstanding items. 15 There typically is in an IO project where you do 16 have this judgment call line about whether 17 substantial completion has been met and what 18 you're going to treat as a minor deficiency, and 19 then you can hold back up to, I believe, 20 200 percent of the value of the uncompleted 21 elements of the scope. 22 And it's not without legal jeopardy to 23 be too ridiculous about minor deficiencies 24 because you can be shown to have delayed

substantial completion later. So you've got be

1 careful, you've got to be thoughtful, you've got 2 to be, you know, trying to do your best to be 3 cooperative and so on because you don't want to 4 be in the position of having wrongfully held up 5 substantial completion over something. 6 But -- so that's why I was going into 7 that space in terms of answering your question. 8 Were you involved in KATE MCGRANN: 9 any discussions with anybody at the City about 10 whether the system was ready to perform at the 11 level that it ought to perform in accordance 12 with the project agreement? 13 BRIAN GUEST: Not that I recall, and 14 not -- if I was to the extent, I can go check. 15 It would have been in the context of privileged 16 discussions at the executive steering committee 17 meeting. 18 KATE MCGRANN: And if you were going 19 to check, what would you go check? 20 BRIAN GUEST: I don't know actually. 21 I guess I could check with others to see whether 22 they remember if I was at that meeting. 23 I could request the City send me executive 24 steering committee minutes from that time, or 25 notes, I quess. I'm just trying to be helpful.

1 KATE MCGRANN: Were you involved in 2 any discussions with anybody at the City or who 3 was advising the City about the decision to 4 proceed to a full launch of the revenue service 5 for the system as opposed to something less than 6 full service? 7 BRIAN GUEST: Other than a casual 8 question to Mr. Manconi at one point that I'm 9 not even sure he would remember. It was very 10 much like I expressed a nervousness about the 11 hard cut over in respect of passengers and he 12 was very confident. 13 KATE MCGRANN: And do you remember 14 when that conversation took place? 15 BRIAN GUEST: It could have even have 16 been at the launch or maybe a few weeks before 17 the launch. I was just -- I remember saying to 18 my partner, you know, this is what has to happen 19 with the buses and, you know, that's going to be 20 an interesting day 1. 21 KATE MCGRANN: You think that this 22 conversation with Mr. Manconi may have happened 23 on the day of the launch? 24 BRIAN GUEST: I don't have a specific 25 memory of when it was. It could've been then,

```
1
   it could've been a couple weeks before then in
2
   the hallway around that.
3
                             I'm asking you if it
              KATE MCGRANN:
4
   could have happened on the day of the launch
   because it strikes me that that would be a
5
   little bit late to be raising concerns --
6
7
              BRIAN GUEST:
                            It would.
8
              KATE MCGRANN: -- (inaudible) --
9
              BRIAN GUEST: It would.
10
              KATE MCGRANN: -- the launch.
11
              BRIAN GUEST: It would. It would.
12
   Yeah.
13
              (Overtalking)
14
              (Reporter seeks clarification.)
15
              BRIAN GUEST: Pardon me, Kate.
16
              KATE MCGRANN: Go ahead.
17
              BRIAN GUEST: I was going to say
18
   you're absolutely right about that. Now, I
19
   don't think went into service the next day.
                                                  Ιt
20
   was really just, you know, everybody got a
21
   chance to come see the system.
22
              And I'm not 100 percent confident on
23
   how hard their cut over was. I didn't have
24
   visibility into that plan. I expressed an
25
   anxiety and the right to say if it was in that
```

1 day, it's a bit late to express an anxiety. 2 that's all I did was express an anxiety. I was 3 concerned about that. 4 And as it happened, they did a pretty 5 good job, other than when the system started to 6 have the problems, and the customers couldn't 7 get off the platform, and the buses kept dumping 8 new passengers into the station, you know, 9 you've got those kind of -- it wasn't a good --10 it wasn't a good day for the system. 11 So there were hiccups, but it's not 12 like I was The Amazing Kreskin and I, you know, 13 foresaw all these problems. That's not how it 14 was at all. 15 KATE MCGRANN: With respect to the 16 trial running period, I think you said that you 17 had no role in trial running. Is that right? 18 BRIAN GUEST: I had no role in trial 19 running. I was very focused on Ottawa, sorry, 20 on Toronto. And I was very focused on, was 21 focused on -- well, I was focused on Toronto. Т 22 wouldn't have had time, nor am I a commissioning 23 expert. 24 Were you receiving any KATE MCGRANN: 25 kind of updates on how the system was performing

during trial running? And part of the reason I

ask this is because of your membership of the

executive steering committee.

But the other part of the reason I ask is that this is a system that you had been heavily involved in at times and this is really the last step before it can be launched.

So what kind of information are you getting about how it's doing as it's proceeding through that phase?

BRIAN GUEST: Yeah. I -- I'm not sure what I could've contributed. I think I was aware of some of the reports. I know I was aware that Project Co was seeking substantial completion when they were.

And I was aware that the independent certifier was siding with the City in respect of that. I definitely knew about that. But I knew it, sort of, in the context of the claims stuff that I was helping to advise on, as opposed to, like, the commissioning itself, and whether that was done to an appropriate standard or in an appropriate way.

KATE MCGRANN: Well, let's just make sure that we're talking about the same thing.

1 So substantial completion has to be achieved 2 before trial running begins, right? 3 BRIAN GUEST: That's correct. 4 KATE MCGRANN: And then the trial 5 running period goes for a period of time. It's 6 ultimately just over 20 days, I think. I don't 7 have the number handy. 8 But you're familiar with the period 9 that I'm referring to. 10 BRIAN GUEST: I am. I thought it was 11 12, but if you say 20, I'll... 12 KATE MCGRANN: I think that there's --13 well, there's a number of questions about what 14 the trial running requirements were. But in 15 terms of how long trial running took place for, 16 it takes place for 20 some odd days through the 17 month of August. 18 So you know the period of time I'm 19 referring to? 2.0 BRIAN GUEST: Yes. 21 So I would like to KATE MCGRANN: 22 understand what kind of information you were 23 receiving about how the system was performing, 24 it's being evaluated every day. 25 So what kind of updates are you

1 receiving about its performance through the trial running period? 3 BRIAN GUEST: I don't have specific 4 memories of that. They would have been 5 happening in those sessions where privilege does 6 prevail. 7 But I was at a high-level aware that 8 the initial goes at trial running were 9 manifesting issues. I didn't have a sense that 10 those issues were, like, severe or threatening 11 to the system's ability to run in a reliable 12 fashion I didn't have that sense. 13 But I do recall knowing that it wasn't 14 perfect and that they were working through 15 issues which is kind of typical when you're 16 commissioning something new that there's going 17 to be some issues that need redress. 18 And I had the impression, generally, 19 that they were trying to redress things that 20 cropped up during trial running. I don't have 21 specific memories for you about what those 22 issues might have been. 23 But they weren't necessarily -- I do 24 think they weren't necessarily -- so they're

meant to run the service pattern that's going to

be running on service level 1, and they weren't universally successful in being able to do that right off the bat.

So I think it had been extended several times, if I'm not incorrect. And some type of restart criteria were agreed between Project Co and the City, and they may have been in that MOU you were referring to, I don't know.

But there was some type of agreement on how to look at whether a date was successful or not. I recall that there was a process which they try to run every single day then there was a meeting at the end of the day, any issues that arose, they talked about, and they talked about whatever those criteria were, which I don't know, for success or failure of the day.

Now, this is something you should probably ask to see is, if you don't have it already, is what those criteria were.

If I could get in a time machine again and go back, I think I would have really pushed a lot harder to have objective criteria for restart. I think -- I think an interval that's longer is wise. And it has been an issue on projects where the criteria for a restart, and

1 by "restart" I mean, you're meant to run it uninterrupted and continuously for an interval. 3 And "run it" means run it to the service level 4 such that the kilometres for that service level 5 are being attained. And I think the correct interpretation 6 7 of the contract in this respect is that it had 8 to be continuous. So if there was any 9 interruption, you had to start again. 10 I don't think that's how it has 11 been -- I don't think that's a shared view 12 between Project Co and the City. And so as a 13 result, there was some type of agreement made 14 between Project Co and the City in respect of 15 what those criteria would look like. 16 It was somewhat less than absolute 17 perfection in terms of running those 18 uninterrupted for consecutive days, and some 19 other, sort of, slightly more lenient approach 20 was taken. 21 Again, I'm taking a hazard here, but I 22 remember that the contract before payment 23 reductions kick in, it's something like 24 98.8 percent. And again, I'll have to check for

the -- if you want to rely on me.

And I think that was lowered for trial running to a different number that was still in the high to mid-nineties. But I want to say 96 percent was, I think, what they were applying. But again I don't know how 96 was selected. I don't know the rationale for why to be honest. Can't speak to that.

Other than to say, you know, when a system is brand-new, you can expect to have some issues manifest, and I guess it was just a practical recognition that some issues could manifest and that they shouldn't be allowed to be magnified by a contractual provision that was unduly applied in a harsh way.

And also, I will fully admit it wasn't an objective enough, it wasn't clear enough. It should have been clearer than just the words consecutive, which, you know, talented lawyers have been able to undermine the plain English meaning of "consecutive." I think it was "consecutive."

And so there was room to be practical commercially for the City, and my impression was that they were trying to do that.

KATE MCGRANN: In terms of your

1 involvement in Stage I following the launch of 2 revenue service, have you been doing any work 3 that isn't subject to privilege? 4 BRIAN GUEST: I don't think so. 5 was claims based. And then the other work that I did was in respect of getting ready to do 7 Stage 2, which I've already talked about. 8 Coming back to what you KATE MCGRANN: 9 did know about trial running and the concern or 10 the idea that you formed earlier that the City 11 should be as relaxed as it needed to be to get 12 the system that it paid for, you shared that you 13 were aware that they were some -- the initial 14 goes had issues, the time frame had to be 15 expanded, restart criteria was engaged. 16 And I didn't get down to complete list 17 of everything you said, but based on all of 18 those things, did any of that trigger this worry 19 that the City should be waiting to get the 20 system that it paid for? 21 I mean, did it trigger a BRIAN GUEST: 22 I understood what the City was doing 23 trying to be commercially reasonable and not 24 standing on ceremony around particular things. 25 But I do remember being kind of

uncomfortable that the desire to get the system 1 2 running would potentially make the City too 3 flexible bearing in mind that there was jeopardy 4 to being too inflexible as well that I've talked 5 about. 6 So they had to chart a middle course. 7 I was confident that they knew what was 8 happening on the ground way better than I did. 9 And so I didn't get into, you know, specific, 10 you know, strong intervention of any type in 11 respect of that because I just didn't know the 12 details. 13 I presumed that they were sweating the 14 details. I know Mr. Manconi and Michael were 15 living it day in, day out, and I was not. 16 KATE MCGRANN: In terms of what may 17 have influenced or pushed the City to be too 18 flexible, what factors were at play then? 19 BRIAN GUEST: I don't know if they 20 were too flexible or not. I think they were --21 they thought, and probably still feel that they 22 were appropriately flexible. 23 I tended to be more in the space of, 24 well, the contract is the contract, and we 25 should apply the contract. But in this case it

1 was -- the contractual position wasn't, like, 2 Mount Olympus, right? It wasn't super strong in 3 terms of the objective criteria for restart, the 4 nature of what consecutive meant, the nature of 5 minor deficiencies and the nature of substantial 6 performance. 7 It's all in one, kind of, mental 8 picture, right? And you don't necessarily start 9 getting -- unless you're in it, living it, 10 you're not in a position to really give quality 11 advice, other than at a very high level just to 12 go, you know, be tough. 13 KATE MCGRANN: You said you had a 14 concern that the City may be too flexible. Т 15 understand that you're not giving them advice. 16 But you had that concern, yes? 17 BRIAN GUEST: I was concerned that 18 they might be too flexible, yeah, sure. I think 19 there was a great deal of desire on everybody's 20 part to get the system into service to the 21 people. 22 And I wanted -- I thought that that 23 was important, but not such that an undue 24 flexibility should be shown. So I didn't do any 25 type of assessment of the level of flexibility

2.

2.0

that should be offered.

I wasn't in the negotiations around any discussion around what those flexibilities would look like. And I don't think I was briefed in any way on the nature of them, but I don't have specific memories of that.

I probably was aware of where it landed in our privileged conversations because they did bear on claims.

KATE MCGRANN: I would just like to understand your understanding of what pressures there were of the City to open up the system at that time?

BRIAN GUEST: Well, there was public pressure. Like, public wanted to have it open. And there was considerable media pressure. You know, why is it 18 months late? Media were -- it was a story that the media were covering quite frequently.

The why and wherefores. There was pressure at Council because you had to keep going back and briefing about why substantial completion was initially late, and then why it continued to be later and later. I can't say that Council was overly pleased by the delay in

1 reaching it. 2. And I think staff felt that weight of, 3 you know, the media pounding away on the drum. 4 The need to be reasonable, commercially 5 reasonable in terms of getting through those 6 stages, and Council's discontent. 7 And then the other piece that I would 8 just -- I already mentioned it, but I'll just 9 mention it again is the cost of running the 10 alternated bus service which is not as efficient 11 and extended people's journey times, and if 12 that -- ridership which hits you in the fare box 13 and it hits you in the cost line. 14 KATE MCGRANN: Were there any 15 particular members of Council, or any members of 16 Council were particularly upset about the 17 timelines that were putting -- were more a 18 source of pressure to get the system open? 19 BRIAN GUEST: Not that I recall. Т 20 don't remember there being, like, a leader in 21 the band in terms of, you know, when is this 22 going to get done? I don't -- I don't -- nobody 23 stuck it in my mind as doing that. 24 You know, Council has, in recent 25 years, become not as harmonious as it was back

```
1
   then, 11 years ago. The vibe, I don't know
    "vibe" probably the wrong word. The cultural
3
   sense of how Council operated had more civility
4
   to it.
5
              So it's just -- it expresses itself
6
   through questioning of staff, you know, and
7
   comments about, you know, my residents really
   want to see this construction come to an end,
8
9
   and to get this service going.
10
              And as they were reported back to,
11
   there were questions that, to me at least,
12
   conveyed discontent.
13
                             I have two final
              KATE MCGRANN:
14
   questions for you, always a dangerous thing to
15
   say, but I believe it to be true. But before I
16
   do that, Mr. Imbesi, do you have any follow-up
17
   questions on anything we've discussed?
18
              ANTHONY IMBESI: No, thank you.
19
              JOHN MATHER: And Brian, your timing
20
   is okay?
21
              BRIAN GUEST:
                            Yes.
22
              JOHN MATHER: Perfect.
23
              KATE MCGRANN: The Commission, as you
24
   know, has been tasked with investigating the
25
   commercial and technical circumstances that led
```

to the breakdowns and derailments on Stage I. 1 2. Other than what we've discussed this 3 morning, any topics or areas that you think 4 should be included in that investigation? 5 BRIAN GUEST: Look, I think it was 6 a -- I say this respectfully. I think it was a 7 mistake to allow Project Co to represent itself 8 as a single entity because what's going on 9 inside Project Co should be of interest to the 10 inquiry, and those individual companies should 11 be asked about their internal mechanics, which 12 of course, I do not see. 13 They should be asked about disputes 14 that have arisen internally. They should be 15 asked, in my view, about why they didn't respond 16 given the financial incentives they had to be 17 able to respond as a group, and to really get to 18 root cause and to really address it. 19 So that's the only thing I would 20 nominate to you as something to reflect on as 21 you go about your work, is don't -- in my 22 opinion, it would be -- it will cut you off from 23 important information to treat them as a 24 monolith. 25 And explain to me the KATE MCGRANN:

basis for that view that there are disputes that are there and that they are interfering with delivery.

BRIAN GUEST: So just -- it's curious why -- let me just take it a step back. I've explained, sort of, the triangle, right? The constructor, JV, the maintenance JV. When the constructor -- and this you can call them flaw in the model.

The company is owned by the constructors, so the equity is put into Project Co by the same entities that are in the construction.

And the constructors want to finish the job, and then they want to get out of town. And they have two years of warranty that they are responsible to the maintainer for.

And I'm aware that there's been a lot of -- I'm aware through claims work, which will be privileged, that there is a lack of alignment between the maintenance, JV and the constructor. And because the constructors own the company, the maintainer is -- the maintainer is made up of the same entities but with a drop-down to Alstom. So they take about 90 percent of the

1 risks and they dropped them down onto Alstom in a subcontract. 3 And I am aware, I think I have very 4 clear conversation with Angelo, the former CEO 5 of Alstom where he complained that --6 Brian, sorry. Was the JOHN MATHER: 7 contents of that conversation with Angelo in the 8 context of the disputes in resolving the 9 disputes? 10 BRIAN GUEST: No, it was -- it wasn't. 11 It was --12 JOHN MATHER: Okay. 13 BRIAN GUEST: It was on the side. 14 basically was of the view that the constructor 15 was not coming to the table to fix design and 16 construction errors, and trying to make it the 17 maintainer's problem. 18 And the maintainer was, like, Look 19 man, I signed up to keep a system that was 20 properly built and designed and constructed 21 working, not to go fix, you know, errors or 22 problems like that over -- overstrung catenary, 23 for example. 24 And so I'm aware there was quite a bit 25 of tension between the maintainer, not the JV

1 per se because JV's controlled. But with Alstom, and not in Alstom's capacity providing 3 the vehicles because that's a constructor 4 responsibility, so that gets confusing, right? 5 They're the maintainer, but it's not their --6 If the vehicle was late or wrong, or 7 had any problems with it, that's the 8 constructor's problem. It's not the 9 maintainer's problem irrespective of the fact 10 that the maintainer actually built and furnished 11 the vehicle. Like, I know it sounds weird, but 12 structurally, that's the way it works. 13 And so just getting back to the flaw 14 that could be said to exist. Some people, I 15 think, believe that this is a flaw, is allowing 16 the constructor to have the equity box at the 17 top, to have those construction firms provide 18 that equity. 19 In the fullness of time, you're 20 creating a kind of a conflict between the owner 21 of Project Co and the constructor who just wants 22 to off risk, right, get their balance sheet shed 23 of risk and move onto the next project. 24 And so they're not at the top level. 25 If, say, Plenary or, you know, Macquarie was in

- that top box, you can be absolutely certain that that equity would be in there saying to the various constituent parts of Project Co, You better get your act together, right? Because I'm taking it, I'm not getting my returns, and I'm having to reach into my pocket and pay those lenders. And I've got security against you and I'm going to use it. So stop your infighting and get going.
 - And I think you can make a compelling case now that having constructors in the equity box has downsides. Now, unfortunately, that's the way it works in Ontario's marketplace right now.
 - Constructors are -- they've created their own capital arms, and they're almost universally in the top box and the constructor box. I'll go ahead and say universally in Ontario.
 - And it seems to work fine on hospitals. But in this case, I think it's caused some perverse incentives within Project Co.
 - KATE MCGRANN: Any other topics or areas that we haven't discussed this morning

1 that you think the Commission should be looking 2 at? 3 BRIAN GUEST: No. Not that are 4 occurring to me now. 5 The Commissioner has KATE MCGRANN: 6 been asked to make recommendations to try to 7 prevent issues like this from going forward. Other than what we've already 8 9 discussed this morning, any specific 10 recommendations or areas of recommendation that 11 you would suggest be considered in that work? 12 BRIAN GUEST: I think that's what I 13 meant in my last little intervention. I think 14 it would be interesting to have a review of 15 whether -- what that does to undermine full 16 accountability, which is supposed to be passed 17 down to Project Co. 18 But I think that more objective 19 criteria for restart and for revenue service 20 demonstration is something that I would hazard 21 the market should be expecting, and should be 22 required on a go-forward basis, deadly clarity, 23 like, real clarity about what those criteria 24 would need to be. And I would rewrite that in a 25 completely different way, if I have my time

```
1
   machine.
2.
              So I think that's something you should
3
   look at. Yeah, that's all that's coming to me
4
   right now, but I will think about it. I'll
5
   submit something to you.
6
              KATE MCGRANN:
                              Mr. Imbesi, any
7
   follow-up questions on any of that?
8
              ANTHONY IMBESI: (Inaudible.)
9
              KATE MCGRANN: Mr. Mather, did you
10
   want to ask any follow-up questions?
11
              JOHN MATHER: I have no follow-up
12
   questions at this time.
13
              KATE MCGRANN: Okay. Then that brings
14
   out questions for today to a close, and we can
15
   go off the record.
16
              (Whereupon this examination concludes
17
   at 12:17 P.M.)
18
19
2.0
21
22
23
24
25
```

1	
2	REPORTER'S CERTIFICATE
3	
4	
5	I, LEILA HECKERT, CVR, Certified
6	Verbatim Reporter, certify;
7	That the foregoing proceedings were
8	taken before me at the time and place therein
9	set forth at which time the witness was put
10	under oath by me;
11	That the testimony of the witness and
12	all objections made at the time of the
13	examination were recorded digitally by me and
14	were thereafter transcribed;
15	That the foregoing is a true and
16	accurate transcript of my shorthand notes so
17	taken. Dated this 18th day of May 2022.
18	
19	12000-
20	le la Cee Kert
21	PER: LEILA HECKERT
22	CERTIFIED VERBATIM REPORTER
23	
24	
25	

WORD INDEX
<\$> \$16 9:14 \$180 57:8 \$3 69:17 \$50 47:23
<1> 1 3:3 7:6, 7 8:8 72:13, 15 117:20 123:1 1.0 80:25 1.7 17:12 10,000 110:16 10:25 39:17 10:27 66:16, 18 10:30 6:9 10:38 66:19 10:40 66:17 100 11:20 19:13 30:19 62:23 92:5 118:22 1000 44:6 105/10 3:18 11 14:13 20:2 131:1 11,000 110:16 12 9:17, 19 79:25 93:21 121:11 12:17 1:16 138:17 150 73:16 16 9:20 21:15 16th 89:24 18 64:9 129:17 18-month 53:16 18th 1:8, 15 139:17 1998 9:1
<pre><2 > 2 126:7 2.1 17:13 19:8 22:8 48:3 20 40:16 121:6 11, 16 200 73:17</pre>

84:11 115:20

2009 5:16

2011 7:12

2005 7:11 10:16

```
2012 11:3
2021 89:14
2022 1:8, 16
139:17
24 21:15
25 18:6
27 106:20
< 3 >
3 72:1, 2
3.2 21:5
30 20:25 21:2
56:16 71:24
72:12, 15 79:25
33(6 5:15
33(7 6:4
35 44:19 47:24
48:3 57:12
< 4 >
4 89:22
40 40:16 74:25
45 35:4
450 71:18, 21
47 20:1
< 5 >
5 6:7 16:25
17:7 20:24
44:21 99:15
50 35:4 57:13
71:19
500 71:15, 16,
18 72:3.4
55/25 3:17
5-pound 73:12
< 6 >
66/16 3:18
<7>
7 3:3
7.5 18:5
70 72:5
75 43:22
< 8 >
8 73:11
80 43:21
80/20 40:23
41:2
800 48:1
80s 58:23
82/22 3:18
```

9:00 1:16 4:1 **90** 72:3 133:25 **9300** 35:21 110:*14* **96** 125:4, 5 **98.8** 124:24 **9th** 89:14 < A > **a.m** 1:16 4:1 66:18.19 abandoned 70:12 **ability** 48:19 69:16 105:12 122:11 **absolute** 124:16 absolutely 56:10 85:15 118:*18* 136:*1* accepted 79:10 access 48:16, 18 57:10 65:17 86:22 95:12 98:23 account 43:14 64:13 91:1, 2, 5 95:7 99:23 accountabilities 57:23 71:1 accountability 104:21 137:16 accountable 45:2*4*, 25 accurate 139:16 achieve 64:17 102:16 achieved 39:11 64:22 77:20 109:21 113:25 114:1 121:1 **acquire** 13:10 acronyms 23:9 29:24 **ACS** 40:14 95:8 **Act** 5:16 6:5, 7 136:*4* action 95:25 107:*10* **active** 50:9 actively 114:3 activism 7:19

< 9 >

activities 27:25 30:23 69:6 actual 53:2 76:20 77:4 113:*1* adding 39:24 addition 72:24 additional 19:9 39:23 74:13 address 67:5 132:18 addressed 101:*13*, *15* 102:17 addressing 101:12 **adhere** 19:5 adjustable 104:5 adjusted 26:22 adjustment 69:21 adjustments 74:5 administer 96:12 administration 78:21 **admit** 125:15 **adopted** 83:14 advance 6:14 48:8 75:18 advanced 20:23 53:23 55:1 advantage 21:16 advantages 21:12 advertising 31:8 advice 11:7 54:18 59:18, 20 60:13 64:5 81:11 108:7, 12 128:11, 15 advise 42:7 52:18 55:17 120:*20* advised 6:5 adviser 12:21 advising 12:4 16:2 117:3 advisor 9:2 10:*4*, 5 42:6 advisory 61:2 Advocates 2:7 **affect** 19:22 AFFIRMED 4:2

affordability 19:19 25:4 71:4, 7 72:21 73:8, 22 75:11, 15, 19, 21, 25 affordable 21:22 **after** 5:2 7:17 10:2, 7 11:*4* 16:23 20:19 44:1, 22 45:7, 19 50:9 63:21 109:20 after-the-fact 102:18 **agendas** 65:18 agent 27:8 **ago** 131:1 **agree** 50:17 77:20 98:19 agreed 64:24 70:24 87:16 113:*14*, *25* 123:*6* agreement 15:16, 24 18:11 37:18 44:25 49:12, 13, 16 54:5, 10 56:20 57:3, 16, 18 60:12 68:13 70:13 76:9 79:14, 18 86:5 115:14 116:12 123:9 124:13 agrees 54:8 ahead 38:21 81:2 87:10 118:16 136:18 **aimed** 26:16 air 36:20 **Albert** 21:11 **alignment** 16:11, *13*, *20*, *23* 17:3 20:1 24:25 25:1 84:9 133:20 **allow** 132:7 allowed 105:9 125:*12* **allowing** 135:*15* **Alstom** 36:24 70:6 133:25 134:*1*, *5* 135:2 **Alstom's** 135:2 alternated

130: <i>10</i>
alternative 21:7
alters 49:21
amalgamation
8:14 9:7
Amazing 119: <i>12</i>
amendments
49: <i>15</i>
amount 19:9
53:20 73:2 ample 72:22
analogy 47:2
100:3, 6
analysis 27:21,
<i>22</i> 96: <i>1</i>
ancillary 82: <i>1</i> Angelo 134: <i>4</i> , 7 annual 45: <i>22</i>
Angelo 134:4, 7
annual 45:22
46:21 64:23
answered 114:24
answering 116:7
answers 99:3
Anthony 2:3
4:7 105:19
131: <i>18</i> 138: <i>8</i>
anxiety 118:25 119:1, 2
119:1, 2
anxious 109: <i>11</i>
anxiousness
112:9, <i>10</i> Anybody 30: <i>14</i>
86:20 94:17
115:6 116:9
117:2
anymore 10:19
44:15 61:25
111:22
Anyway 22:13
24:2 43:5 50:8
54: <i>14</i>
apart 36: <i>5</i> appeal 18: <i>16</i>
appear 3:17
46: <i>1</i>
appears 7:11
45:9 97:12
appended 5:14
applications
107:21
applied 111:6
125: <i>14</i>
apply 17: <i>7</i> 102: <i>13</i> , <i>14</i> , <i>15</i>
102.10, 17, 10

127:25 applying 125:5 approach 18:24 22:16 38:17 79:5 83:*4*, *5*, *21*, 25 124:19 appropriate 26:11 42:8, 9 60:13 87:18 120:22, 23 appropriately 68:9 127:22 approval 25:7 26:18 approvals 25:15 approved 17:4 arbitration 107:11, 12 area 72:14 80:3, 20 88:22 areas 46:14 132:3 136:25 137:10 argument 89:16 arguments 77:17, 18 arisen 132:14 **arms** 136:*16* **arose** 19:12 101:9, 15 123:14 arrangement 70:20 article 89:12, 14, 19, 22, 23 99:16 **aside** 36:5 **asked** 5:18 6:13 19:17 21:25 64:25 102:22 132:11, 13, 15 137:6 asking 66:24 73:14, 22 76:5 114:*1*3 118:3 **aspect** 67:25 78:20 aspects 14:21 31:4 32:24 35:14 67:25 assessed 44:8 79:2, 8 assessment 16:*12* 25:*6* 39:16 43:6 77:21 128:25

Assessments 42:15 asset 28:15 assistance 16:9 assistant 8:16 assisted 8:20 70:16 associated 40:22 42:22 109:18 Associates 86:7 at-risk 36:21 attained 124:5 **attempt** 106:19 attempts 64:19 **attend** 63:5 attendance 65:20, 23 66:6 attending 1:15 62:*5*, *9* 63:*14*, 24 65:11 107:25 108:6 attention 97:15 attractive 37:23 38:6 attractiveness 37:11 **audio** 25:18 August 121:17 Australia 76:15 availability 114:12, 15 115:5 available 22:6 51:25 59:5 75:9 79:9 81:23 96:5 average 41:20 avoid 78:23 avoided 76:25 avoiding 99:5 **award** 29:16 awarded 11:2 **aware** 15:1 50:7 59:19 60:16 61:9 81:7 100:*15* 107:24 108:1, 3 109:6, 7 113:2 120:*13*, *14*, *16* 122:7 126:13 129:7 133:18, *19* 134:3, *24*

< B >

back 9:13 14:*15* 17:*15* 21:9 24:13 27:23 34:24 35:16 39:6 46:3 52:17 53:14 63:20 65:12 66:16 67:10 75:3 98:6 106:5 115:19 123:21 126:8 129:22 130:25 131:10 133:5 135:13 backdrop 95:10 background 8:7 31:9 52:12 **bad** 24:8 48:22 50:19 **bag** 73:12 88:18 **balance** 44:10 135:22 ballast 69:23 **band** 84:11 130:21 bang 110:2 banker 45:3 bankers 87:9 Barrhaven 23:21 barriers 98:23 **base** 19:3 25:6 28:10 53:2 60:7 68:13 85:2 **based** 29:15 126:5, 17 baseline 86:8. 16 87:19, 20 **basically** 10:21, 23 12:3 16:*4* 20:22 23:15 24:5 31:8 33:14 34:24 36:21 37:13 40:7 42:14, 16 44:23 49:7 54:10 55:14 56:15 57:2 58:1, 24 71:18 79:1 84:14 85:4 86:9 101:*4* 134:*14* **basis** 5:7 14:12 28:3 55:11 78:15, 16

79:3 82:23 133:1 137:22 **basket** 38:25 **bat** 123:3 **BDFM** 68:2 Bear 89:12 129:9 bearing 127:3 **bed** 47:1 **bedrock** 84:10 **beds** 44:6 **began** 67:6 105:22 beginning 22:8 49:22 58:16 67:23 **begins** 121:2 behalf 12:6 behaviours 40:11 believe 13:1 20:18 21:8 22:12 40:15, 23 44:17 48:8 60:2, 25 63:3 75:14, 25 90:1 115:19 131:15 135:*15* **bells** 72:7 **belongs** 21:17 **bereft** 107:4 **best** 22:16 23:11 25:16 26:20 28:21 29:*13*, *15* 36:*4*, 17, 18 37:14 66:5, 10 67:4 76:25 81:*4* 95:6 106:16 116:2 **better** 51:8, 10 57:9 59:2 68:*4*, 22 77:17 78:25 80:18 82:4, 6 103:6 127:8 136:*4* **bid** 24:10 30:2 43:18, 25 71:7 86:25 **bidder** 71:18, 24 86:4 bidders 72:22 73:20 74:6 75:12, 15 86:4

bids 71:8

bottom 12:3 23:21 87:2 103:12 **boulders** 84:14 **Box** 106:13 130:12 135:16 136:1, 12, 17, 18 **boxes** 111:23 BOXFISH 1:7 2:6 30:15 91:2 **brakes** 101:2 **braking** 101:*18* **brand** 99:13 brand-new 37:24 104:12 125:9 break 6:8, 9, 11 8:3 66:16 breakdowns 102:24, 25 132:1 **BRIAN** 1:7 2:6 3:3 4:2 6:12, 23 7:4, 8, 16 8:11 12:16 13:9 14:*4* 15:*7*, 13, 19 16:1 19:25 23:5, 8, 13 25:20 26:4 29:21 30:1, 3, 7, *17* 31:*13* 32:*4*, 20 33:4, 23 34:19 35:9, 16 39:9 40:6 47:18, 22 49:17 50:5 52:17 55:18 56:9 59:12, 19 60:25 61:11 62:1, 11, 17 63:3, 12, 19, 23 65:13 66:1 67:7, 9, 13 71:10 75:14, 24 76:12 79:7, 15, *19* 81:*3*, *8* 82:*7*, 13, 19 83:3, 8, 23, 25 89:20 90:3, 7, 10, 15, *19*, *24* 91:3, *6*, 16, 20 97:17, 24 98:4 100:2, 9, *17* 102:2 103:*4* 105:6, 8 106:2 107:23 108:*16*, *24* 111:7, *9*

112:3, *24*

114:23 115:8 116:*13*, *20* 117:*7*, *15*, *24* 118:7, 9, 11, 15, 17 119:18 120:11 121:3, 10, 20 122:3 126:*4*, *21* 127:19 128:17 129:14 130:19 131:19, 21 132:5 133:*4* 134:6, 10, 13 137:3, 12 **Bridge** 23:22 34:25 **brief** 8:6 31:19 briefed 24:25 26:10 32:6 129:5 briefing 129:22 briefings 31:18 32:18, 22 33:25 **bring** 29:7 33:17 49:25 75:8 **bringing** 33:15 **brings** 138:*13* **broad** 32:11 53:2 63:6 **broke** 104:11 brought 27:2 53:13 **Bucci** 81:13 **bucks** 57:13 **budget** 9:15 13:19 17:11 19:2, *4*, *16*, *18* 25:2, 7 33:10 38:22 39:7, 11 40:5 74:25 **buffer** 58:1 **build** 14:*12* 15:12 23:16 25:6 28:9, 17, 18, 25 29:25 30:1, 2 35:13 50:2 57:22 69:12 80:9 84:7 **building** 9:8 26:23 85:2 buildings 20:8 **built** 28:16 58:23 70:23 73:23 76:9

80:11 134:20 135:*10* **bull** 87:10 **bullet** 56:17 **bunch** 51:21 58:3 84:14 110:6 **bus** 35:20, 25 110:1 130:10 **buses** 34:25 35:4 109:15 110:6 117:19 119:7 business 91:5 **bust** 23:9 **busy** 52:23 55:6 **buy** 21:18 < C > **Cabinet** 10:10 **call** 12:21 16:12 20:21 27:23 36:20 37:*19* 41:*4* 42:13 43:1 56:14 57:2 61:1 65:1 71:13 78:3, 4 85:11 92:21 114:6, 8 115:*11*, *16* 133:8 **called** 16:4 27:24 55:3 69:23 71:11 84:13 calls 92:5 106:21 campaign 8:25 campaigned 24:3 Canada 6:7 10:8 38:17 76:7 cancel 24:8 cancelled 22:21 cancelling 24:4 candid 92:3 cap 47:23 71:4, 8 72:21, 23 74:22 75:11, 17, 22 88:1 89:10 **capable** 81:21 84:3

capacity 35:23 53:14 59:2 135:2 capital 39:13, *14*, *20* 41: *14*, *20* 49:11 51:24 58:6 136:16 **capped** 86:17 caps 76:1 care 47:4 58:13 92:1 **career** 8:12 12:4 55:10 careful 116:1 carefully 80:22 **cares** 91:23 carrying 88:18 case 40:12 44:18 61:23 75:10 78:7 96:7 127:25 136:11, 21 cash 77:24 78:*4*, *5* cast 18:12 **casual** 117:7 catastrophic 50:17 categorical 79:20 catenary 70:8 104:3, 9, 11, 12 134:22 **caused** 88:9 101:2 103:14 104:13 113:13 136:22 **caveats** 66:11 **CBC** 89:12, 13 **CCDC** 38:2 cement 88:24, 25 **cent** 19:13 **centre** 18:22 84:12 **CEO** 134:4 ceremony 126:*24* certain 4:15 21:1 41:1 53:11 61:1, 24 77:19 114:5 136:*1* certainly 23:25

38:16 50:12

67:20 74:15
81:11 88:15
81:11 88:15
103:23 112:17
115:9
CERTIFICATE
139:2
Certified 139:5,
·
22
certifier 64:24
120: <i>17</i>
certify 139:6 chain 32:1
chain 32·1
chair 8:21, 23
32:10 94:22
1
challenges 99:3,
9
chance 118:21
Chandani 2:13
change 7:17, 18,
22, 25 10:12, 17
22, 23 10.12, 17
82:12 103:10
changed 68:19
75:1
changes 68:21
74:8, 9
changing 72:14
charge 106:10
charged 53:7
charging 65:22
chart 127:6
cheap 39:13 51:22 52:1
51:22 52:1
60:6 61:19
cheaper 51:22
58: <i>4</i>
check 21:9
55: <i>18</i> 105: <i>15</i>
116: <i>14</i> , <i>19</i> , <i>21</i>
124:24
1
checks 64:1
Chiarelli 8:20
27:9 89:2 <i>4</i>
91: <i>18</i> 93: <i>7</i>
96:25 97:19
102:1 103:3
Chiarelli's 9:12
23:15 24:4 32:8
chief 59:23
Children's 8:16
choice 73:13
84:17
choices 15:2
choose 50:3
88:4
choosing 22:14

ohoos 10:16
chose 10: <i>16</i>
50:4 57:1 79:5
97:25 109: <i>19</i>
circling 46:3
circuitous 57:11
circumstances
102:23 131:25
cities 10:12
17:23, 2 <i>4</i>
oity 9:15 0:6 7
city 8: <i>15</i> 9: <i>6</i> , 7 18: <i>1</i> 19: <i>5</i> , <i>8</i> , <i>12</i>
10.1 19.3, 6, 12
25:4 27:19, 20
28:2 29:3 30:9
31:12, 15, 19, 23
32:1 33:2
34:13 37:5
38:11, 23 39:13,
14 45:1 47:13.
38:11, 23 39:13, 14 45:1 47:13, 14, 16, 19, 22
48:5, 8, 17 49:7
50:3 51: <i>15</i> , <i>17</i> ,
00.3 01.70, 77,
21 52:4, 18, 25
54:7, 15, 19
56:2, <i>22</i> 57:1, <i>8</i> ,
10 58:3, 9, 12,
18, 21 59:6, 11,
18, 20 60:8, 13
18, 20 60:8, 13 64:3, 11, 20, 25
66:9 68:24 69:11, 13 70:16
69:11 13 70:16
72:25 73:5, 12
74:18 75:1, 6
76:8 77:20
79:5 83:11
84:2 <i>0</i> 86:3, <i>6</i> ,
17 88:6, 10, 14
92:15 96:10, 15
99:7 105:2 <i>5</i>
106:24 107:4,
19 108:12, 17
109:7, 9, 13, 19
110:5, 15 111:2
110.1 16 00
112.1, 10, 23
112.7, 76, 23 113:8, 25 114:3, 10, 16, 20 115:6 116:9, 23 117:2, 3 120:17 123:7
10, 16, 20 115:6
116:9, 23 117:2,
3 120:17 123:7
124.12, 14
125:23 126: <i>10</i> ,
19, 22 127:2, 17
128:14 129:12
City's 26:25
34:17 35:15
38:24 39:3
30.24 39.3 40.40 FO:0
49:12 52:8

67:2 88: <i>10</i> 95: <i>6</i> 106: <i>15</i> 115: <i>3</i>
civil 5:21 12:11
69:25 70:4, 7
civility 131:3
civility 131:3 claim 19: <i>15</i>
88:16
claims 11:22 19: <i>11</i> 53:22
19: <i>11</i> 53: <i>22</i>
54:16, 18, 20, 21
54:16, 18, 20, 21 106:6 107:7 120:19 126:5
120:19 126:5
129:9 133:19 clarification
118: <i>14</i>
clarify 47:11, 20 clarity 137:22,
23
Clark 8:24
clauses 37:21
claw 85:11
clear 8:9 66:4
73:1 75:6 78:10 100:18
78:10 100:18
105:20 108:7 125:16 134:4
125.70 134.4 clearer 125:17
clearing 26:8 clearly 78:17 clerk 10:9
clearly 78:17
clerk 10:9
client 82:16
83:11
climate 7:16, 18,
22, 24 10:12, 17
close 15:16, 24
47:25 97:8
rinsest 106:72
103:17 138:14 closest 106:22 cluster 72:4
coating 102:15
co-counsel 4:14
cofounding
27:18
Co-Lead 2:2
4:4
collaborative
4:13 77:5, 7
colleague 4: <i>6</i> 90:7 105: <i>16</i>
colourful 110:24
combine 29:10
come 8:21
21:10 23:22
24:13 26:21

00 4 00 5 00 0
28:4 33:5 39:6
52:17 57:17
28:4 33:5 39:6 52:17 57:17 63:10, 12, 19
65:12 66:16
75:3 80: <i>16</i>
102:17 118:21
131:8
comes 61:17
102:8
comfortable
68:20 87:1
88:21
coming 16: <i>16</i>
19:3 33:8
50:23 61:23
110: <i>1</i> 2 126: <i>8</i>
134: <i>15</i> 138: <i>3</i>
commenced
4:2 <i>4</i>
commencing
4:1
comments 131:7
commercial
11:7 26: <i>14</i> , <i>21</i>
45:14 74:21
40.14 14.21
102:22 131:25
commercially
125:23 126:23
130: <i>4</i>
COMMISSION
1:6 2:1 4:20
81:17 90:2
102:21 109:10
102.27 109.70
131:23 137: <i>1</i>
commissioned
81:2 <i>4</i>
Commissioner
137: <i>5</i>
commissioning
81: <i>15</i> 113: <i>1</i>
119:22 120:2 <i>1</i>
122: <i>16</i>
Commission's
4:7, 11, 21 5:1, 6
commitment
9:12
committee 34:3
52:25 60:21
62: <i>4</i> , 9 63:1, 9,
10 108:1 112:7
116: <i>16</i> , <i>24</i> 120:3
common 102: <i>12</i>
communicating
74: <i>16</i>

communications 10:4 30:23 31:9 communities 10:13 companies 7:21 10:22 12:22 37:7 44:9 53:18 78:3 132:10 company 36:22 40:9 42:23 53:25 95:20 133:10, 22 compared 13:24 compelling 136:10 compensation 24:12 43:2 54:25 85:24 competition 24:17 competitive 69:14 complained 134:5 complete 62:2 126:16 completed 20:21 42:7 completely 85:15 93:18 137:25 completion 41:4 45:20 50:10 53:17 62:15, 20 64:16, 17, 21 65:7 77:16 80:8 101:11 105:23 106:3 107:22 109:20 111:5 113:*15*, *17* 114:*1*2, *14* 115:*17*, *25* 116:*5* 120:*15* 121:1 129:23 complex 12:7 compliance 26:17 complicated 36:9 component 50:1 100:24 compromises 113:2, 3

concept 20:22,
23, 25 111:2
113: <i>18</i>
concern 21:21
91:21 110:18
91:21 110:18 126:9 128:14, 16
concerned
110: <i>17</i> 119:3
128: <i>17</i>
concerns 13: <i>17</i>
33:9 93:18
118:6
concludes
138: <i>16</i>
condition 109:4
conditions 75:1
84:8 85: <i>14</i>
Confederation
99:19
confident
117: <i>1</i> 2 118:22
127:7
confidential 5:7
26:14 74:21
confidentiality
82: <i>17</i>
configuration
103:7
confirm 16:25
80:13 82:20
confirmations
54:9
confirming
62: <i>19</i>
conflict 135:20
confusing 135:4
conscious 73:4
consecutive
124: <i>18</i> 125: <i>18</i> ,
20, 21 128:4
consent 49:15,
19 50:21, 24
51: <i>4</i> , <i>6</i> 56: <i>4</i>
57:7 67:6
consenting 58:8
consequence
78:2 94:5
consider 74:4
91:23
considerable
129: <i>16</i>
consideration
28:8 59:9 67:5
considerations
62: <i>15</i> 115: <i>7</i>
32.70 110.7

considered 56:2, 8 71:9 137:11 considering 59:17 67:14 consistent 60:23 95:5 consortium 12:22 constituent 36:14 40:12 45:10 136:3 construct 99:21 constructed 134:20 construction 11:8, 21, 23 19:12 29:11 36:25 38:3 44:19, 22 48:25 52:10, 13 60:3, 22 95:20, 21 100:22, 23 101:21 105:2 106:6 107:6 131:8 133:13 134:*16* 135:*17* constructor 28:15 95:18 133:7, 8, 21 134:*14* 135:*3*, 16, 21 136:17 constructors 70:*4* 133:*11*, *14*, 22 136:11, 15 constructor's 135:8 consulting 8:19 29:8, 9 **contact** 55:13 contemplated 68:16 contend 84:24 **content** 70:24 contents 134:7 **context** 52:12 108:22 116:*15* 120:*19* 134:*8* continue 61:21 continued 11:*16* 129:*24* continuing 60:15 61:9 continuous

124:8

continuously 124:2 **contract** 22:15, 25 24:11. 22 28:24 37:19, 24 38:3 68:17 72:11 77:5 78:21 96:13 124:7, 22 127:2*4*, 25 contracting 37:24 77:6, 7 contractor 22:25 28:10 42:18 77:18 contractors 31:2 contracts 34:7 contractual 125:13 128:1 contribute 18:13 contributed 120:12 contribution 18:10 **control** 37:15 39:7, 11 controlled 68:9 135:*1* controversial 86:23 convenience 56:6, 12 57:20 conversation 16:7 102:21 117:*14*, *22* 134:*4*, 7 conversations 28:9 107:3 108:10 111:17 112:5, 17 114:9 115:6 129:8 converting 58:25 conveved 131:*12* **convince** 64:20 cooperative 116:3 coordinating 31:6 33:11 copy 6:14 90:1, 8, 12, 18 **core** 16:18 35:23 84:16

correct 5:10 30:3 49:18 102:13, 14, 15 108:16 121:3 124:6 corrections 5:2, 5, 13 corridor 9:24 13:10, 14 **Co's** 54:24 101:7 103:21 **cost** 17:10 20:17 21:4 39:23 41:17, 20 42:15 50:1 51:15 61:18 76:20 77:5 98:1 130:9. 13 costs 17:23 39:12 44:19 47:25 54:12 109:*17* could've 117:25 118:1 120:12 **Council** 9:16 10:10 13:20 17:*3*, *4* 19:*17* 21:25 24:2*4*, 25 25:7 27:2 28:3 31:1 32:11 34:2, 3 59:7, 11 67:14 73:6 89:18 92:20 96:24 108:5 129:2*1*, 25 130:15, 16, 24 131:3 councillors 92:20 **Council's** 130:6 COUNSEL 2:1, 2, 3 4:4, 8, 16 5:7 6:14 55:22 83:17 104:25 counselled 114:25 count 48:21 counterparty 70:10 **counting** 16:19 **country** 17:25 counts 49:7 **Couple** 29:23 47:10 66:3

89:22 93:10 104:14 118:1 **coupon** 57:5 course 20:7 59:7 92:23 127:6 132:12 **court** 96:7 107:10 **cover** 7:11 70:25 coverage 51:19 58:15 87:12, 20 covered 42:25 **covering** 129:18 **CP** 13:11 **create** 69:25 87:16 **created** 136:*15* **creating** 135:20 credibility 60:10 credit 41:12 44:25 45:*4* 48:19 criteria 29:16 123:*6*, *15*, *19*, *22*, 25 124:15 126:15 128:3 137:19.23 critical 58:19 criticism 98:15 **cropped** 122:20 cross-country 16:*1*3 19:*2*5 Crosstown 11:15 **Crown** 5:22 crucible 37:2 cultural 131:2 **curious** 133:4 **current** 17:21 98:13 **currently** 106:10 Curriculum 3:3 7:7 customarily 42:5 customer 20:12 customers 109:25 110:3 119:6 cut 117:11 118:23 132:22 **CV** 6:14, 24, 25 7:2

2
decided 8:22 deciding 61:5 decision 24:23 52:8 56:22 59:16 67:2 73:4 117:3 decision-makers 14:23 26:25
30:6 33:7 60:17 61:20 decisions 12:5, 9 24:23 60:18 62:16 100:11 115:3, 7 declaration 4:11
de-cluster 72:10 dedicated 11:17 30:19, 20 35:6 deemed 5:17 deep 20:1, 4, 5, 6 21:14 40:7 73:15
default 47:3 48:6 95:2 defaulting 48:9 deficiencies 65:1 115:23 128:5 deficiency
115:18 definitely 22:18 32:5 37:5 75:17 97:5 120:18 definition 78:18 definitions
77:14 degree 61:5 delay 43:2, 3 53:16 54:25 85:23 129:25 delayed 115:24 deleted 90:20,
23 deliver 9:19 22:25 28:21 36:3, 4 37:2 50:4 76:16 111:12 deliverable 42:11
delivered 9:18, 20 14:11 15:11 22:5 80:14 114:22

delivering 10:1	
40: <i>4</i>	
delivery 11: <i>14</i>	
22: <i>14</i> 133: <i>3</i>	
Deloitte 12:25	
76:12, 13 79:8	
81:3	
demanding	
11: <i>19</i> 80: <i>6</i>	
demonstrated	
88:11	
demonstration	
62:22 65:9 79:23 80:7, 17	
79:23 80:7, 17	
137:20	
depending	
51:11	
depends 43:18	
deploy 73:3 depth 21:7 84:9 104:1	
depth 21:7	
84:9 104:1	
deputy 10:8, 10 31:17, 23	
31: <i>17</i> , <i>23</i>	
derail 95:16	
derailment	
103: <i>15</i>	
derailments	
102:24 103:1	
132: <i>1</i>	
derived 16: <i>13</i> descope 73: <i>18</i>	
descope 73:18	
74:1	
describe 15:5,	
17, 25 97:20	
described 32:23	
105:5	
describes 89:23,	
25	
describing 30:4	
DESCRIPTION	
3:2 8:6	
design 14: <i>12</i>	
15:11 16:22	
17:7 18: <i>14</i>	
20:22 26:15	
28:9, 17, 18, 22	
29:24 30:1, 2	
35:13 43:20, 21	
50:2 99:21, 25	
100:5, 11, 15	
101:6, 25 102:7,	
14 103:1, 4, 18	
105:2 134:15	
designed 134:20	

designer 29:12 103:21 designers 45:15 designing 26:23 designs 20:20 **desire** 127:1 128:19 destination 16:15 detail 15:1, 2 details 127:12, 14 determination 28:5 59:10 79:12 determinative 27:12 develop 99:3 107:*14* developed 33:10 37:13 diagnosis 98:17 diagonally 16:18 **dictates** 68:15 **die** 18:*12* difference 7:22 10:19 49:12 different 9:24 23:1. 14 24:14 26:5 32:8 38:2 76:14 125:2 137:25 **digitally** 139:*13* diligence 42:1, 5 ding 113:21 direct 11:8 48:16, 17 49:8, 13 57:3, 10, 16 61:12 directed 27:5 31:14 direction 35:22 110:*14*. *16* directions 31:12 directive 10:4 director 16:2 disappointing 45:18 discipline 23:13 88:14 disciplines 22:24 disclosing 107:2 discontent

130:6 131:*12* discrete 34:10 discretion 113:23 discussed 105:17 131:17 132:2 136:25 137.9 discussion 67:1 69:22 108:22 129:3 discussions 62:18 79:24 106:19 107:4 108:23 115:*10* 116:9, 16 117:2 disgorging 110:13 disparate 33:16 dispatching 84:3 disposal 26:8 **dispute** 106:21 107:18 disputes 54:13 77:18 106:17 132:13 133:1 134:8. 9 distinguish 30:10 distracting 78:20 distraction 93:14. 15 96:20 98:14 **distress** 53:15 **DMG** 2:7 **document** 6:18, 22 29:19 documentation 98:24 documents 3:9, 16 66:8 doing 11:13, 20, 24 12:1, 19, 24 24:14 28:8 29:14 33:1, 14 41:17 47:8 48:21 49:11 53:11 72:22 78:6 81:7, 21 85:2, 16 88:4 89:6 99:4 107:20 110:2

112: <i>4</i> 120:9
126:2, 22 130:23
dollar 19:1, 3
dollars 11:20
19: <i>13</i> , <i>14</i> 22: <i>12</i>
48:1 51:15
dominant 84:6
106:5
doorstep 101:7
downsides
50:20 52:2
136: <i>12</i>
downtown
16: <i>18</i> 34: <i>21</i>
35: 1, <i>5</i> , 22
draft 79:17
drafting 34:5
Dragados 40:14
95:9
draw 48: <i>19</i>
drawing 16: <i>17</i> drawn 97: <i>15</i>
drill 86:2
drills 84:16
drive 72:18
driven 21:6
54:16
driver 38:19 drivers 20:13 drives 38:9
drivers 20:13
drives 38:9
driving 39:3
40:11
drop 95:21
drop-down
133:24
dropped 95:23
134:1
dropping 96:17
drove 72:24
drum 130:3
due 25:18 59:7
92:23
dumping 119:7
_
<e></e>
EA 20:19 21:8,
10
earlier 38:11
48: <i>5</i> 57: <i>14</i>
80:6 108: <i>11</i>
126:10
early 11:25
18: <i>14</i> 104: <i>12</i>
earn 76:19

```
earned 77:1, 10
78:25 79:1
Eastern 8:17
east-west 58:21,
25
easy 24:13
71:11
economic 18:22
economy 18:23
19:4
effect 30:20
effectively
11:12 27:4
52:9 92:22
efficient 109:15
130:10
egg 71:12
egged 98:14
Eglinton 11:15
52:21 77:8
elected 24:3
Electrical 9:22
electrification
12:2
element 43:19
86:17
elements 21:1
37:21 115:21
elevators 81:23
eligible 51:14
EllisDon 40:13,
16
Ellis-Don 95:8
email 89:23. 25
90:2, 15, 18
91:1, 2, 8, 15, 22
98:18 99:16
102:1 103:3
105:4
emails 90:20
embodied 46:21
emphasize
108:17
employ 84:7
employed 27:7
employment
16:15
EMU 9:22
encountered
29:2
encyclopedic
26:5
ended 85:9
88:7
```

end-to-end
58:2 <i>4</i>
energy 24:9
engage 30:24
engaged 22:13,
14 65:15 93:12
126: <i>15</i>
engendered
76:2 <i>4</i>
engineer 12:20
engineering
29:8, 9 74:2
75:8
English 125:19
engrossing
52:21
oniov 15:1
enjoy 45:1 47:13 94:9
oncuring 26:16
ensuring 26:16
enter 4:20
115:3
entered 5:2, 8,
12
entering 11:25
enthusiasm
86:20
entire 12:2 28:23 70:25
28:23 /0:25
entirely 93:25
entities 36:19
133:12, 24
entitled 53:21
113:20
entity 37:14, 15
84:3 132:8
entrusted
104: <i>17</i>
envelope 77:23
environmental
7:20 10:22
16: <i>12</i>
episodic 60:3
episodically
62:3
equally 73:7
equipping 14:17
equity 39:18
40:7, <i>8</i> 41: <i>15</i> ,
18 51:23
133: <i>11</i> 135: <i>16</i> ,
18 136:2, 11
error 104:2
errors 5:11
102:7 134:16, 21
ESC 65:11, 18

escalation
17:12 106:22
escalators 20:3
81:24
essentially 70:5 establish 5:20
81: <i>4</i>
established 38:5
establishes 86:9
establishing
78:1
esteem 92:4
estimated 21:4
74:25
evaluated
121:2 <i>4</i>
evaluation
71:12 72:11, 12 event 54:17 55:1 75:19
55:1 75:10
85:24 87:20
88:8, 9 89:5
events 32:13
43:1, 2 54:3
86:22
everybody
48:11 66:17
72:18 75:3
87: <i>16</i> 88:2 <i>0</i> 109: <i>11</i> 118:2 <i>0</i>
everybody's
128: <i>19</i> evidence 4: <i>10</i> ,
21 5:3, 8, 12, 25
6:3, 7 66:4, 5
97:21
evolved 38:5
80: <i>4</i>
exactly 20:18
22:8 28:18
63: <i>15</i>
examination
138:16 139:13
example 18:24
38:18 48:6 49:20 68:5 73:15 74:11 75:5 78:8
73·15 7A·11
75:5 78:8
80:23 84:5
100:13 101:20
113:12 134:23
excavation
84:19 85:10
exceed 72:6

exceptionally 78:10 excerpted 91:8 Exchange 20:5 **execute** 33:18 52:8 110:21 execution 85:23 104.2 executive 52:24 60:20 62:3, 9 63:1, 9, 10 107:25 112:6 116:*16*, *23* 120:*3* **exercise** 16:14 **Exhibit** 7:6, 7 **EXHIBITS** 3:1 **exist** 40:9 103:23 135:14 existing 67:17 68:1 **expand** 58:13 69:1 70:24 83:24 **expanded** 69:1 126:*15* Expansion 12:1 52:4 58:18 77:*4*, 8 expect 41:7 42:20 65:20 102:21 125:9 expected 45:20 expecting 137:2*1* expensive 51:11 58:7 experience 8:7 11:9 12:*14*, *17* 15:6, 7, 8 50:7 53:2 54:19, 21 60:*6*, *24* 81:*15* experienced 59:25 63:6 101:8 **expert** 103:8 119:23 expertise 29:3, 10 **explain** 91:17 132:25 explained 38:11 133:6 explored 21:8 **express** 110:*18* 119:*1*, *2*

expressed
117: <i>10</i> 118:2 <i>4</i>
expresses 131:5
expression 92:3
expropriated
20:8
extend 70:14
extended 123:4
130: <i>11</i>
extends 89:18
extension 49:20
extensive 9:9
76: <i>15</i>
extent 31:25
64: <i>4</i> 105: <i>4</i> , 8
106: <i>1</i> 2, <i>1</i> 3
111: <i>10</i> 116: <i>14</i>
extra 18:16
22:11
extremely 98:25
extremeness
49:2
eye 93:6
∠F \

< F > face 54:15 98:22 faced 25:4 26:6 83:13 facility 14:17 69:5 **facing** 16:6 39:21 53:16 fact 38:4 39:12 64:9 84:20 93:9 103:11 135:9 **factors** 127:18 facts 34:14 fail 82:9 failed 87:14, 23 **failure** 35:21 80:1 99:19, 24 101:7. 16 123:16 failures 99:25 100:*5*, *15* 101:25 103:2 105:2. 3 fair 39:8 47:17 61:11 71:9 fall 44:13 47:7 102:11 **falling** 48:11

familiar 9:25 14:8 100:19 121:8 fanciful 42:12 fare 130:12 fashion 23:1 60:13 122:12 fast-moving 12:7 **favour** 47:23 87:13 107:19 favourable 27:15 featherbed 51:21 features 57:17 federal 17:9, 17, 19, 22 18:11 21:23 22:9 27:14 39:5 51:14 fee 51:4 feedback 26:19 70:21 **feel** 10:18 83:16 97:8 112:21 127:21 feeling 64:5 felt 11:4 87:4 110:20 112:14 130:2 **fewer** 113:4 **fight** 40:18 figure 65:24 89:13 **files** 10:6 **final** 112:*12* 131:*13* **finally** 65:*6* Finance 10:3 15:12 17:17 35:13 36:19 39:24 50:1, 2, 3 financial 15:23 41:19 65:24 66:2 71:15, 20 72:25 77:23 87:8 94:4 132:16 financiers 87:9 financing 22:24 27:16 28:11 39:12 40:2, 3,

23 41:17 56:23

Finch 52:22 55:9 77:8 find 14:2 54:2 66:12 87:13 96:2 103:25 **finding** 111:23 fine 74:14 82:25 105:7 136:20 finger-point 37:8 finish 48:24 133:*14* **finite** 96:9 **firm** 8:19 55:7 firms 29:9, 11 36:25 38:1 135:17 **fit** 53:5 fives 39:19 **fix** 48:25 96:11 134:15. 21 **fixed** 36:2 38:10 113:22 fixed-price 22:25 fixing 45:16 92:14 **flat** 100:19, 20 101:4 flaw 133:8 135:13, 15 **flaws** 103:18 flexibilities 129:3 flexibility 28:20 107:14 128:24, 25 flexible 109:8 127:3, 18, 20, 22 128:14, 18 flow 77:24 78:5 flows 11:23 110:9 focus 10:18 40:19 45:23 102:20 **focused** 16:14 22:18 28:20 45:13, 14 60:9 72:18 73:7 80:21 92:13 96:*7*, *16* 106:*4* 111:*1* 119:*19*, 20, 21 **focuses** 32:11

focusing 97:14 103:4 114:15 **follow** 20:9 55:21 82:24 followed 3:10 following 3:9, *17* 106:20 126:1 follow-up 4:17 19:23 23:11 47:10 105:17 131:16 138:7, 10, 11 foot 68:2 force 101:4 **forced** 101:18 forces 42:19 foregoing 139:7, **foresaw** 119:*13* form 33:21 34:4 38:3 85:1 114:2*4* formed 112:25 114:20 126:10 former 134:4 **forth** 14:*15* 139:9 **forward** 13:*4* 20:19 24:24 58:18 77:1 80:22 107:15 137:7 **found** 107:19 foundation 53:24 four-page 6:18 frame 126:14 **framing** 14:23 free 21:13 frequency 20:13 59:2 frequently 129:19 friend 91:13, 24 97:6, 9 frustrated 36:1 full 10:23 52:22 89:8 109:*19* 117:*4*, *6* 137:15 **fullness** 135:19 **fully** 125:*15* fun 94:7 functional

16:22 20:24 funded 60:7 funding 60:7 furnish 86:7 107:12 furnished 66:9 135:10 **future** 99:5 < G > game 36:20 38:9 gamesmanship 96:23 garages 20:4, 6 21:14 **gate** 72:20 gated 71:10, 11 75:17 83:4, 20 84:1 gating 72:24 74:13 gear 72:13 **gearbox** 103:5, 11 geared 71:13, 14 72:12.25 gearing 72:15 general 108:25 111:*16*, *18* 112:7 generally 18:15, 18 19:19 33:3 63:18 90:19 102:3. 4 122:18 gentleman 8:24 59:22 geotechnical 83:1, *13* 86:3, *8*, **give** 15:19 28:24 51:6 57:6 61:16 69:12, 16 70:21 72:7 87:11 88:3 100:13, 17 101:20 128:10 **given** 5:9, 23 21:22 49:23 61:12 85:13 98:25 99:1 105:9 132:16 giving 6:3 19:20 28:20 64:*4* 128:*15*

glacial 84:13 88:22 God 99:8, 10 go-forward 137:22 Gold 55:8 Golder 86:7 Golders 86:13 Good 4:3 8:2 14:22 16:7 21:24 23:23 24:17 25:17 28:14 29:2 37:25 43:10, 16 70:13 78:5 84:8 103:7
113:9 119: <i>5</i> , <i>9</i> ,
10
government 10:17 17:8, 9, 18 18:12 21:23 27:14, 17 28:4 36:6 39:5 99:1 governments 17:20 22:10 granted 65:6 granular 76:18 graphics 31:5 grapple 32:12 grappling 22:2 great 16:9 20:9 69:12 128:19 ground 5:19 79:2 85:13 104:19 106:23 127:8
GROUP 1:7
2:6 37:7 75: <i>4</i> ,
7 84:22 85:9
132: <i>17</i>
grow 19:3
growth 17:19
guarantees
41:12 44:17, 20
48:18 49:9
guess 12:20
14:20 34:11
48:1 69:17
96:8 115:13
116:2 <i>1</i> , 22, 25
125: <i>10</i>
GUEST 1:7 2:6
3:3 4:2 6: <i>12</i> ,
23 7:4, 8, 16
8:11 12:16

13:*9* 14:*4* 15:*7*, 13, 19 16:1 19:25 23:5, 8, 13 25:20, 25 26:4 29:21 30:1, 3, 7, 17 31:13 32:4, 20 33:*4*, 23 34:19 35:9, 16 39:9 40:6 47:18, 22 49:17 50:5 52:17 55:18 56:9 59:12, 19 60:25 61:11 62:1, 11, 17 63:3, 12, 19, 23 65:13 66:1 67:7, 9, 13 71:10 75:14, 24 76:12 79:7, 15, 19 81:3, 8 82:7, 13 83:3, 8, 23, 25 89:20 90:3, 7, 10, 13, 15, 19, 24 91:3, 6, 16, 20 97:17, 24 98:*4* 100:2, *9*, *17* 102:2 103:*4* 105:6, 8 106:2 107:23 108:*16*, 24 111:7, 9 112:3, *24* 114:23 115:8 116:13. 20 117:*7*, *15*, *24* 118:7, 9, 11, 15, 17 119:18 120:11 121:3, 10, 20 122:3 126:*4*, *21* 127:19 128:17 129:*14* 130:*19* 131:*21* 132:*5* 133:4 134:10. 13 137:3, 12 **guided** 34:18 guidepost 27:13 **guts** 113:1 **guy** 7:18 9:3 59:25 92:1 93:4 **guys** 46:8 < H >

habit 90:20

half 78:14, 15 100:7 **halls** 32:21 **hallway** 109:23 118:2 hand 28:24 40:19 handful 53:9 107:19 **handle** 54:18 **hands** 84:19 **handy** 121:7 **Hang** 46:7 **happen** 80:17 107:3 109:5 117:18 happened 45:9 46:2 74:23 88:19 103:9, 17 108:8 117:22 118:4 119:4 happening 11:11 53:3 93:1 122:5 127:8 happens 43:24 **Happy** 6:18 49:10 83:12 93:16 hard 22:7 25:22 89:2 98:12 111:23 117:11 118:23 harder 110:10 123:22 harmonious 130:25 **harsh** 125:*14* hate 111:20 **hawk** 113:*10* **hazard** 124:21 137:20 **header** 85:11 heading 21:6 headways 68:10 healthy 18:1 heard 94:19, 20 hearing 4:23 25:22 hearings 4:12, 22 heavily 34:7 120:6 heavy 70:4, 7

heck 94:1

Heckert 2:12 25:24 139:5, 21 Held 1:14 56:13 99:22 109:1 111:5 116:*4* help 11:6 13:2, 3 18:16 22:9 25:25 33:17 41:21, 22 53:12 54:22 55:*4* 60:13 63:17 67:3 93:9 98:22 99:9 102:2*0* 105:2*4* 106:5 108:21 **helped** 31:9 helpful 31:25 53:6 93:17 116:25 helping 12:8 33:12 34:2 67:21 120:20 Hershfield 12:23 **hiccups** 119:*11* **high** 125:3 128:11 higher 59:2 high-level 71:6 122:7 hire 42:5 48:23 **hits** 130:12, 13 **hold** 28:*14* 64:12 115:19 holding 95:7 113:9 **holds** 43:13 **hole** 89:1 home 8:21 69:6 **honest** 53:5 125:7 hook 86:18 Hospital 8:17 36:11 81:17 **hospitals** 136:*21* hour 35:22 100:7 110:14, 16 **hours** 53:9 66:3 93:22 huge 21:16 26:7 28:12 84:16 hugely 93:12

hundred 22:11 71:16 88:24 101:6 hundreds 14:6 hung 34:12 Hurontario 52:22 77:9 **hurt** 93:10 < l > **IC** 106:25 107:1 113:25 idea 23:20 29:2, 6 34:23, 24 59:3 126:10 **ideas** 33:9 96:25 97:1 identified 49:24 **II** 50:23 55:2, 4, 11, 17 56:5 59:13 67:15, 24 68:4 69:3, 13, 21 70:15 73:10 74:24 75:12, 18 106:7 imagine 66:8 79:19 80:25 81:3, 6 102:5 Imbesi 2:3 4:7, 14 105:16, 19 131:16, 18 138:*6*, *8* **impact** 59:15 97:21, 22 impactful 99:4 impacts 56:4 important 17:14 19:5 38:10 64:11 67:16 80:8, 15 93:11, 22 113:7 128:23 132:23 impression 122:18 125:23 improving 80:24 inappropriate 87:5 inaudible 25:13, 16, 21 118:8

138:8

incentive 37:8

132:16 136:22

40:2 77:23 **incentives**

iudament

judicial 89:17

18. 21 93:24

91:11, 19 92:5,

115:16

include 28:13
50:3 56:23 98:6
included 132:4
including 11:22
17:8 27: <i>15</i>
57:12 70:15
78:2 95:21
inclusive 39:9
incorrect 123:5
incriminate 5:20
independent
64:2 <i>4</i> 120: <i>16</i>
INDEX 3:1, 15
indiscernible
17:24
individual 50:21
132:10
infighting 136:8
inflation 17:21
inflexible 127:4
influence 40:3
influenced 127: <i>17</i>
inform 97: <i>18</i> information
65:9 102: <i>6</i>
107:5, 13 120:8
121:22 132:23
informed 94:23
114: <i>16</i>
INFRASTRUCTU
RE 1:7 2:6
11:21 27:10
34:8 37:12.17
11:21 27:10 34:8 37:12, 17 38:13 56:24
59:1 70:1, 19,
22 81: <i>14</i>
inherent 42:18
initial 122:8
126: <i>1</i> 3
initially 69:9
129:23
inject 51:23
78: <i>4</i>
injected 40:9
injection 58:6
in-market 26:13
73:13
inquire 103:24
inquires 66:13
Inquiries 5:16
Inquiry 4:6 5:17, 24 89:17
5:17, 24 89:17
91:12, 19 92:5,
19, 21 93:25

```
94:13, 21 95:4,
12 96:5, 17
98:21 99:1
132:10
insane 56:11
inside 53:18
95:24 132:9
insolvent 44:13
inspections
104:20
install 69:24
installed 68:12
104:6
instance 5:22
insulated 46:6
insurance 88:16
insured 88:18
insurers 88:16
integrated 36:7,
8 100:21
integrity 68:25
intends 4:20
interact 29:12
67:17
interacted
31:15 32:21
interacting
31:22 34:8
interaction
26:13 32:15, 16
interactions
32:2, 18
interest 39:4
56:16 58:8
70:2, 10 132:9
interested
11:10 13:16
70:5 107:11
interesting
117:20 137:14
interests 9:4
interface 68:1
69:7 109:24
interfaces 26:9
68:3
interfering 133:2
interject 82:19
interjects 25:18
interlocutor
59:23
internal 132:11
internally 21:5
103:20 132:14
internet 25:21
```

interpretation 86:11 124:6 interprets 86:9 interregnum 55:14 interrupt 35:7 111:*21* interruption 124:9 **interval** 123:23 124:2 intervene 4:15 intervention 127:10 137:13 interview 4:9, 14, 18, 19 6:15 7:6 90:14 introduced 7:6 investigating 131:24 investigation 132:*4* investigations 84:16 86:3 invitational 60:4 invited 16:5 62:6 63:15 involve 80:1 involved 16:23 30:22 32:24 34:7 52:15 53:4 55:9 59:12 61:24 67:20 103:25 114:9 115:5 116:8 117:1 120:6 involvement 52:7 59:15, 17 61:10 62:14 79:12 105:21 106:2 126:1 **IO** 27:7 38:4 50:14, 17 59:8, 12, 17, 21 60:5, *15, 20* 61:*5, 14,* 24 62:14 71:13 79:8 115:*15* **IO's** 59:20 60:9 61:9 irrespective 135:9 **issue** 11:6 13:2, 7 20:16, 17 25:2 30:13

33:19 50:25 67:16 74:17 84:24 85:19 86:24 87:1 100:*19* 101:*13* 111:11, 12 123:24 **issues** 9:25 10:11, 14, 15 12:*8* 13:*13*, *22*, 23 14:1, 5, 9, 16 16:6 24:18 25:11 26:5, 10 32:12 33:13 37:9 48:25 51:13 75:16 76:18, 24 78:18, 23 95:17 122:9, 10, 15, 17, 22 123:13 125:10, 11 126:14 137:7 **issuing** 81:10 **items** 3:10 115:*14* < J > **Jacobs** 12:23 jail 36:12 jar 98:7, 8 Jensen 16:2, 4 31:13, 19, 24 33:12 34:13 94:15 jeopardy 115:22 127:3 job 8:18 40:19, 25 41:5 44:22 87:23 91:25 119:5 133:15 John 2:7 16:2 31:13 55:24 66:13 82:19 90:12 94:15 96:14 105:7, 11 106:*11* 111:*20*

131:19, 22

John's 90:7

joint 44:11

Joshi 2:13

journey 20:12

Jon 31:7

130:11

134:6, 12 138:11

joined 4:6 10:2

94:13, 20 95:4, 11 96:5, 17 jump 52:6 66:21 **JV** 133:7, *21* 134:25 **JV's** 135:1 < K > Kanellakos 106:12, 14 **Kate** 2:2 4:3, 4 6:13 7:1, 5, 9 8:5 12:12 13:5 14:*1* 15:*3*, *9*, *14*, 22 19:22 23:3, 6, 11 25:24 29:18, 23 30:2, 4, 14 31:11 32:2, 17, 23 33:21 34:16 35:7, 10 39:1, 25 47:10, 20 49:14, 23 50:20 52:5 55:16, 21 56:1 59:8, 14 60:19 61:7, 11, 22 62:8, 13, 25 63:8. 17. 21 65:10, 22 66:10, 15, 20 67:8, 10, 11 71:3 75:10, *21* 76:3 79:*4*, 11, 16 81:1, 6, 18 82:3, 11, 25 83:4, 15, 24 89:11, 21 90:6, 8, 17, 22, 25 91:*4*, *7*, *17* 97:14, 18, 25 99:15 100:4, 14 101:23 102:19 104:23 105:*14*. 20 107:20 108:11, 21 111:*1*, *8*, *20*, *24* 112:*20* 114:*13*, *24* 115:2 116:*8*, 18 117:1, 13, 21 118:3, 8, 10, 15,

<i>16</i> 119: <i>15</i> , <i>24</i>
120:2 <i>4</i> 121: <i>4</i> ,
10 01 105:05
<i>12, 21</i> 125:25
126: <i>8</i> 127: <i>16</i>
120.0 127.70
128:13 129:10
100:11 101:10
130: <i>14</i> 131: <i>13</i> ,
23 132:25
136:2 <i>4</i> 137: <i>5</i>
100.2 / 10
138: <i>6</i> , <i>9</i> , <i>13</i>
Kont 21:15 19
Kent 31: <i>15</i> , <i>18</i>
94: <i>15</i>
kept 30:5 119:7
key 34: <i>17</i> , <i>20</i>
35: <i>14</i> , <i>18</i> 38: <i>19</i>
39:2
kick 124:23
kicks 65:4
kilometres
14: <i>14</i> 69:2
124: <i>4</i>
kind 7:19, 24
9:9, 21 13:18
14: <i>5</i> , <i>9</i> 16: <i>17</i>
17: <i>19</i> 18:22
17.75 10.22
22:22 24:7
07.46 00 00.44
27:16, 22 28:14
32:10 33:5 36:22 37:1 40:17 43:13
02.70 00.0
36:22 37:1
10.17 12.12
40.17 43.13
46: <i>11</i> 47: <i>1</i> 50: <i>8</i> 51: <i>20</i>
70.77 77.7
50:8 51:2 <i>0</i>
EE: 10 E0: 20
55:12 58:20
63: <i>5</i> , <i>13</i> 77: <i>15</i> ,
16 80:24 84:25
85:11 88:3
92:2 94:1, 24
02.2 01.7, 27
104:10, 12
108:25 111:16
106.25 111.70
112: <i>11</i> 119: <i>9</i> ,
<i>25</i> 120:8
121:22, 25
122: <i>15</i> 126: <i>25</i>
128:7 135:2 <i>0</i>
kinds 34:9
76: <i>14</i>
King 23:22
34:25
Kirkpatrick
31: <i>15</i>
knew 9:21
31:16, 18 84:15
06:1 05:11
86:1 95:11
115:12 120:18
110.12 120.10
127:7

knowing 54:6 122:*13* knowledge 61:*13* **known** 29:4, 11 **Kreskin** 119:12 < L > lack 68:4 77:17 86:19 133:20 ladder 85:20 87:7 **laid** 113:*18* land 20:7 21:18 **landed** 129:8 lane 35:25 language 78:9 97:20 98:11 large 13:20 54:15 98:14 110:13 largely 30:23 70:3 87:8 late 45:25 64:10 77:25 118:6 119:1 129:17, 23 135:6 **lathe** 101:10 113:12 launch 62:16 63:22 109:20 112:21 117:4, *16*, *17*, *23* 118:*4*, 10 126:1 launched 120:7 law 113:18 lawsuit 95:2 105:*10* lawsuits 103:19 **lawyer** 94:6 98:1 lawyers 125:18 **layer** 86:6 **LD** 23:3 **LDs** 23:2 **lead** 12:24 59:21 81:13 **leader** 130:20 **learn** 110:3 **leave** 10:16 67:1 **led** 35:14 102:23 131:25

left 7:17 66:21 84:19 100:8 104:2*4* **legacy** 9:24 91:23 **legal** 95:6 106:16 107:8 108:6 115:22 **Leila** 2:12 139:*5*, *21* lend 41:3 42:2 43:7 lender 49:4, 13 50:22, 24 51:20 57:7 58:1 87:1 lenders 40:21, 22 41:3, 6, 10, 16, 21, 22, 24 42:6, 8 43:5 44:1, 2, 18 45:2 46:*4*, *18*, *25* 47:*4*, *12*, *16*, *24* 48:15, 21, 23 49:11, 14, 25 50:8, 15 51:1, 18, 23 52:9 53:19, 20 56:3, *4*, 7 57:3, *4*, 12 58:4, 8, 10 59:3 67:3, 18 68:20 136:7 **lender's** 57:16 67:6 **lending** 41:10 lends 8:1 length 82:12 lenient 124:19 **letter** 48:19 **letters** 41:12 level 16:22, 25 43:22 86:10, 12 87:4 89:5 105:21 108:2 116:11 123:1 124:*3*, *4* 128:*11*, *25* 135:2*4* levels 68:7, 16 liability 5:21 47:23 Libman 2:7 **life** 33:14 **LIGHT** 1:6 4:5 8:8 9:13 12:13 13:6 15:*4*

102:17 **liked** 101:*14* limitations 105:12 limited 9:16 49:23 **limiting** 69:19 **limits** 25:4 73:8 **linear** 78:15 lined 34:25 **lines** 35:6 liquid 44:21 liquidated 23:3 53:19 literally 35:1 Litigation 2:3 living 127:15 128:9 **LLP** 2:7 **loathe** 78:6 local 10:14 **Lomow** 31:7 long 14:*14* 20:10 36:12 53:21 54:14 55:9 92:7 100:3 111:*14* 121:*15* longer 58:14 82:10 112:22 114:21 123:24 longs 41:11 long-term 40:22 41:6. 22 44:24 56:21 68:25 looked 15:17 70:8 76:13 looking 7:10 27:18 28:19 29:19 43:5 56:3 57:19 76:8 137:1 **looks** 6:23 82:9, 12 **loop** 110:8 loose 103:14 loosen 104:8 lose 71:24 **losing** 72:3 **lot** 8:1 10:6, 14 13:15, 17 24:9 25:12 28:7 32:15 33:12 37:20, 25 40:25

43:11 48:4

54:19, 20 57:17 60:6 93:1 94:8 110:*4*, *20* 123:22 133:18 lots 12:16 13:13 26:9 33:23, 24 44:25 47:12 59:25 81:15 102:6 103:19 108:6 love 99:8 **low** 46:22 102:9 lower 8:14 39:19 **lowered** 125:*1* lowers 41:16 lowest 71:22, 23 72:1 **loyal** 91:13 **LRT** 10:25 12:18 13:10 24:4 36:10, 11 38:13 40:12 76:11 81:16 89:17 **LRTs** 11:21 12:18 50:11 < M >**machine** 36:12 84:18, 23 85:6, 7 98:6 100:3 101:1 123:20 138:1 Mackenzie 23:22 34:25

Macquarie 135:25 **made** 5:2, 5, 13 23:18, 19 24:23 27:1 46:23 62:16 64:19 79:9 88:16 113:3 114:6 124:13 133:23 139:12 magnified 125:13 maintain 15:12 35:13 50:2 68:24 71:1 82:16 99:21 107:13 maintainability

70:19
maintained 60:2
maintainer
95:18, 22
103: <i>10</i> 133: <i>17</i> ,
23 134:18, 25
135: <i>5</i> , <i>10</i>
maintainers
69: <i>4</i>
maintainer's
134: <i>17</i> 135: <i>9</i>
maintains 68:12
maintenance
14: <i>17</i> 28: <i>13</i> 68: <i>25</i> 69: <i>4</i> , <i>6</i> ,
21 70:25 105:3
133:7, 21
major 8:18
30:25 54: <i>18</i> , <i>20</i> ,
21 106:17 109:7
making 10: <i>19</i>
33:25 43:6
60:10, 11 73:7
80:5 100: <i>12</i>
80: <i>5</i> 100: <i>12</i> man 99: <i>11</i>
134: <i>19</i>
manage 37:16
managed 18: <i>8</i>
management
11:23 26:11
33:19
manager 28:2
31:16, 20, 23
32:1 52:25 59:6 73:5
96: <i>15</i> 106:2 <i>4</i>
114: <i>10</i>
managing 84:4
Manconi 54:23
61: <i>4</i> 96: <i>15</i>
106:11, 12, 18
114: <i>10</i> 117: <i>8</i> ,
22 127:14
Manconi's 62:23
manifest 125:10,
12
manifesting
122:9
market 24:2, 6,
9, 17 25:17
26:12 73:10, 18
74: <i>4</i> , <i>14</i> , <i>25</i> 83: <i>19</i> 86: <i>25</i>
87:3, <i>4</i> , 17, 21
137:2 <i>1</i>
101.41

marketplace 37:22 60:11 73:1 74:17 87:13 136:13 **Martin** 10:3, 7 match 46:15, 16 material 26:8 49:18 65:2 94:25 materially 49:21 50:22 68:18 materials 95:13 102:*14*, *16* math 48:2 Mather 2:7 55:23, 24 66:13 82:19 90:12 105:*7*, *11* 111:20 131:*19*, 22 134:6, 12 138:9, 11 matter 47:4 95:11 **Max** 2:7 90:4, 6, 7 **maximum** 104:7 mayor 24:3 32:3, 6, 12, 18 92:22, 24 **Mayor's** 32:7 94:22 McDonald 102:5 McGrann 2:2 4:3, 4 6:13 7:1, 5, 9 8:5 12:12 13:*5* 14:*1* 15:*3*, 9, 14, 22 19:22 23:3, 6, 11 25:24 29:18, 23 30:2, 4, 14 31:11 32:2, 17, 23 33:21 34:16 35:7, 10 39:1, 25 47:10, 20 49:14, 23 52:5 55:16, 21 56:1 59:8, 14 60:19 61:7, 22 62:8, 13, 25 63:8, 17, 21 65:10, 22 66:10, 15, 20 67:8, 11 71:3 75:10, 21 76:3 79:4, 11, 16

81:1, 6 82:3, 11,

25 83:*4*, *15*, *24* 89:11, 21 90:6, 8, 17, 22, 25 91:*4*, *7*, *17* 97:1*4*, 18, 25 99:15 100:4, 14 101:23 102:19 104:23 105:*14*, 20 107:20 108:11, 21 111:1, 8, 24 112:20 114:13 115:2 116:*8*, *18* 117:1, 13, 21 118:3, *8*, *10*, *16* 119:*15*, *24* 120:24 121:*4*, 12, 21 125:25 126:8 127:16 128:13 129:10 130:14 131:13. 23 132:25 136:24 137:5 138:6, 9, 13 meaning 41:20 125:20 meaningful 91:25 95:14 99:4 means 19:1 29:11 30:8, 9 53:17 68:6 84:*17* 124:*3* meant 68:15, 19 69:24 91:21 97:13 102:9 113:5 122:25 124:*1* 128:*4* 137:13 measure 24:4 31:6 89:3 Mechanical 9:23 mechanics 132:11 mechanism 22:15 68:14 69:22 70:16 72:11 media 129:16, 17, 18 130:3 meet 54:24 **meeting** 53:10 116:17, 22 123:*13*

meetings 26:15 30:25 31:1 33:23, 24 53:5 61:2 62:10 63:25 65:11, 18, 23 66:6 74:21 79:21 108:3, 6, 9 Member 2:2, 3 4:7 members 32:3, 19 33:1 130:15 membership 120:2 memories 122:4, 21 129:6 memory 81:10 112:*4* 117:25 mental 128:7 **mention** 130:9 mentioned 56:6 76:6 130:8 mentor 91:24 97:9 merits 28:6 92:9 met 115:17 **metal** 85:5 methodologies 76:21 84:6 methods 29:11 84:17, 21 **metres** 20:1 21:15 84:12 **Metrolinx** 11:14, 16 Michael 96:14 127:*14* mid-2011 25:9, middle 37:7 127:6 mid-nineties 125:3 **Mike** 106:8, 9, 10 miles 88:24 milestone 76:19 77:15, 19 78:1, 7 79:5 milestones 76:4, 22 77:12 78:12, 19, 22 **million** 9:*14* 22:11 47:23 48:1 57:8, 13

million-dollar 73:17 **millions** 100:11 **mind** 38:8 74:12 94:18 100:18 102:8 112:11 127:3 130:23 **mindset** 81:20 111:*19* mini 77:16 **minimal** 106:3 Minister 10:8 27:10 ministers 10:11 Minister's 7:17 Ministry 10:2 minor 65:1, 2 115:*18*, *23* 128:*5* minority 40:17 **minutes** 35:5 116:24 mischaracterizati on 92:8 **missed** 7:15 mistake 132:7 mistaken 85:21 mitigate 54:8 model 35:13, 14 37:12, 13 39:6 40:4 46:17 49:6 50:3 77:6, 7 92:10 133:9 models 27:21 moderating 40:2 modestly 14:22 modifies 50:22 money 18:*17* 19:6, 10 27:20 39:13, 15 43:11 51:21, 22 53:8 57:8 58:3 73:2, 3. 16 77:25 98:1 109:13 monies 36:21 monolith 132:24 month 121:17 monthly 79:2 **months** 48:8 64:9 129:17 **Morgan** 96:14 106:8 morning 4:3, 6 66:15 132:3

136:25 137:9
Morrison 12:22
mortgage 43:9
motivated 92:6,
12 93:8, 25
motivates 40:17
MOU 123:8
Mount 128:2
move 18: <i>15</i>
29:22 42:23
58:18 68:15
110: <i>4</i> 135:23
moved 11:12
moving 20:19
MSF 69:4
muddled 15:20
multiple 47:1
63:7 68:7
municipal 17:16,
18 19:2
municipalities
8:14
municipality
8:12 18:2, 7, 18
21: <i>18</i>
a M s

< N >**nailed** 43:23 named 8:24 55:8 Nancy 31:22 94:15 **narrow** 84:11 85:8 **nature** 42:18 44:16 80:18 83:22 128:4, 5 129:5 navigate 98:24 **NDP** 92:7 **near** 103:13 necessarily 27:12 66:4 94:9 122:23, 24 128:8 necessary 58:7 75:8 95:13 necessity 20:3 **needed** 19:7, 24 20:6 26:10 28:4 30:24 31:5 34:1 36:2 64:6 68:20, 23 69:7 70:21

74:3 78:11

108:*1*3 111:3 114:17 126:11 **needs** 80:10 negative 50:7 negotiation 13:11 negotiations 69:9 129:2 nervousness 117:*10* network 12:2 **new** 7:21 10:12 19:*17* 58:*6* 69:2 110:3 119:8 122:*16* news 89:12, 14 nitty-gritty 65:8 **nobody's** 88:*13* **nominate** 132:20 nonperforming 49:5 nontypographical 5:13 **normal** 89:10 **north** 21:6 north-south 23:15. 21 **nose** 35:1, 2 **note** 97:11 **noted** 3:16 **notes** 29:20 33:25 116:25 139:*16* noteworthy 38:23 **notice** 54:5 noticed 7:10 29:18 notwithstanding 46:25 **November** 89:*14* **NPV** 56:17 **number** 16:19 19:4 21:11 26:7 31:2 32:6 53:22 54:16 56:2 74:8 76:24 81:22 96:9 113:7 121:7, 13 125:2 **numbers** 84:16 110:13

nursing 8:16

< 0 > object 6:6 objected 5:17 objections 139:12 objective 29:16 123:22 125:16 128:3 137:18 obligations 69:1 obliged 82:16 **O'Brien** 24:2 34:22 **observe** 77:11 **obtain** 4:10 17:9 **OC** 62:23 occasions 32:6 74:8 occur 32:13 48:5 54:6 77:13 88:23 occurred 54:17 occurring 48:6 137:*4* **October** 89:24 odd 121:16 off-brand 94:23 offended 97:12 **offer** 55:3 **offered** 129:1 offering 71:20 office 7:18 9:1 13:3 16:5 22:1 27:1 106:14 **Olympics** 38:19 **Olympus** 128:2 onerous 74:6 ones 49:19 ongoing 61:6, 21 Ontario 8:17 12:18 18:21 34:8 37:12, 17 38:14 56:24 80:4 81:14 92:7 136:19 **Ontario's** 136:*13* **open** 51:5 129:12, 15 130:18 **opened** 69:*9* opening 51:3 operated 131:3

operating 81:21 operator 113:6 **opinion** 50:13, 14 59:6 72:17 92:3, 8, 19 95:4 132:22 opportunity 5:9 54:7 **opposed** 117:5 120:*20* option 73:19 options 27:22 51:25 56:2 59:6, 9, 18 67:21 79:9 **order** 4:23 14:18 15:2 20:8 34:14 48:9. 15 66:20 78:11 104:23 107:6. 12 112:15 orders 17:8 27:17 28:4 36:6 organization 60:5 86:14 origin 16:14 original 58:20 originally 9:17 51:9 **OTTAWA** 1:6 4:5 12:18 13:7 18:1, 24 40:12 45:9 59:24 76:23 80:18.25 82:5 83:7 88:25 89:17 92:15 111:14 119:*19* Ottawa-Carleton 8:13 Ottawa's 8:8 12:*1*3 15:*4* 44:18 ought 116:11 **outcome** 28:19 35:19, 20 36:3, 5, 16 95:14 102:16 **outlier** 115:9 outlined 56:1 outperformed 59:5 output 26:17 70:18, 23 72:6,

8 74:5, 9 80:13 outside 32:22 outstanding 115:*14* **overage** 18:*19* overages 38:12 overall 11:19 29:13 overlay 27:3, 17 overly 74:6 110:23 129:25 oversight 11:8 41:2*4* overstrung 134:22 Overtalking 118:13 **owned** 133:10 owner 135:20 owners 41:13, 14 70:3 owner's 12:20 owns 68:11 < P > **p.m** 1:16 138:*17*

P3 15:5, 7, 8 22:17, 18, 19, 22 27:24 28:16 36:6 38:18 39:5 41:23 46:17 72:12 77:6 92:10 97:3 **P3s** 22:19 27:15 76:16 package 44:20 page/line 3:17 **paid** 19:9 24:12 41:5, 9 44:23 46:10 47:5 53:*14* 64:8 88:16 92:15 108:19 111:*4*, *15* 112:2, 16, 23 114:5, 18, 21 126:12, 20 pain 53:24 paragraphs 89:23 **Pardon** 118:15 parent 78:3 parental 41:11 44:20 48:18

	_
49:9	
parents 44:5	
parking 20:4, 5	
21: <i>14</i>	
	2
part 10:13 22:	3
25:25 26:16	
29:17 37:1	
44:1 52:10	
60:18, 21 62:18	3
65:7 77:1	
81:12 93:23	
120:1, 4 128:20)
120.7, 4 120.20	,
participants	
1:15 2:5 5:6, 1	2
participate	
23:24 68:24	
participated	
24:1 106:17	
participating	
33:24 96:19	
particular	
126:2 <i>4</i> 130: <i>15</i>	
particularly	
92:19 130:16	
partly 109:18	
partner 31:7	
partner 31:7 44:14 47:15	
44.14 41.15	
99:20 113:9	
117: <i>18</i>	
partners 44:12	
narte 33:16	
parts 33:16	
36:9, 14 40:12	
45: <i>10</i> 136:3	
party 115:10	
pass 25:23	
=	
82:9	
passed 8:22	
137: <i>16</i>	
passengers	
117:11 110:0	
117:11 119:8	
passionate	
11: <i>18</i> 93:23	
pattern 68:13	
122:25	
patterns 110: <i>4</i>	
Patterson 59:23	3
Paul 10:3	-
pause 6:10	
pay 17:25	
19:13 37:25	
38:12 39:10, 17	7
17.9 E4.4	
47:2 51: <i>4</i>	
53:19 54:12	
56:12, 15, 16	
57: <i>4</i> 58: <i>11</i>	
J1.4 JO.11	

64:12 94:5
136: <i>6</i>
paying 18: <i>19</i>
paying 18: <i>19</i> 57: <i>21</i> 76: <i>21</i>
payment 46:21
56:18 68:14
69:22 70: <i>15</i> , <i>17</i> 124:22
payments 44:24
45:22 46:20, 23,
25 53:20 64:23
pays 79:1
pea 44.0, /
peak 35:23 people 9:8
12:5 16: <i>16</i> , <i>19</i>
22:20 24:13
35:21 36:1
37:25 58:20
72:5 94:14
96: <i>10</i> , <i>12</i> 99: <i>11</i> 101: <i>8</i> 102: <i>11</i>
101:8 102:77 103:24 110:8,
13, 14, 16
111:10, 13
128:21 135:14 people's 130:11
people's 130:11
percent 16:25
17:7 18:5, 6 20:24, 25 21:2
30:19 39:17
30:19 39:17 43:21, 22 44:19,
21 47:24 57:12
62:23 71:17
72: <i>1</i> , <i>2</i> , <i>5</i> 74: <i>25</i> 92: <i>5</i> 101: <i>6</i>
92.5 101.6 115:20 118:22
124:2 <i>4</i> 125: <i>4</i>
133:25
percentage
71:23
perfect 80: <i>19</i> 122: <i>14</i> 131: <i>22</i>
perfection
124: <i>17</i>
perform 13:4
40:18, 20
116: <i>10</i> , <i>11</i>
performance
28: <i>15</i> 39: <i>10</i> 45: <i>18</i> 46: <i>22</i>
48:7 62:20
64:22 113:19,
24 114:1 122:1

128:6
performed 21:9
performing 99:7
119:25 121:23 peril 54: <i>15</i> 58: <i>4</i>
period 7:14
53:8 119: <i>16</i>
121: <i>5</i> , <i>8</i> , <i>18</i> 122:2
perjury 6:3
permanent
23:18, 19
permits 4: <i>16</i> 18: <i>6</i>
person 5:22
31:14
personal 50: <i>13</i> 89: <i>25</i> 91: <i>1</i> , <i>5</i> , <i>22</i>
personally
93:12 95:1
person's 112:11 perspective
20: <i>17</i> 27: <i>6</i>
59:14 113:6
perspectives 53:1
00.1
perverse 136:22
Peter 8:24
Peter 8:24 petered 63:13
Peter 8:24
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10,
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18 130:7 pile 42:17
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18 130:7 pile 42:17 pilot 9:13, 15
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18 130:7 pile 42:17 pilot 9:13, 15 23:18
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18 130:7 pile 42:17 pilot 9:13, 15 23:18 pipe 42:23
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18 130:7 pile 42:17 pilot 9:13, 15 23:18 pipe 42:23 place 6:2 23:9 76:1 88:21
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18 130:7 pile 42:17 pilot 9:13, 15 23:18 pipe 42:23 place 6:2 23:9 76:1 88:21 89:9 103:13
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18 130:7 pile 42:17 pilot 9:13, 15 23:18 pipe 42:23 place 6:2 23:9 76:1 88:21 89:9 103:13 108:23 117:14
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18 130:7 pile 42:17 pilot 9:13, 15 23:18 pipe 42:23 place 6:2 23:9 76:1 88:21 89:9 103:13 108:23 117:14 121:15, 16 139:8 plain 125:19
Peter 8:24 petered 63:13 phase 10:24, 25 30:16 41:25 42:3 43:14, 18 45:7, 8 52:10, 14 76:10 80:12 120:10 phases 12:1 phone 90:21 pick 7:12 44:14 picture 33:16 128:8 piece 69:18 130:7 pile 42:17 pilot 9:13, 15 23:18 pipe 42:23 place 6:2 23:9 76:1 88:21 89:9 103:13 108:23 117:14 121:15, 16 139:8

43:*15*, *16* 118:*24* planned 92:23 **planning** 16:*14* 31:23 55:*4* 67:24 platform 20:11, *16* 119:7 **play** 40:3 108:19 112:9 127:18 playing 59:9 **Plaza** 20:5 **pleased** 129:25 **Plenary** 135:25 plugged 68:3 plugging 89:1 **plus** 17:12 **pocket** 136:6 **point** 6:9, 20 8:10 11:4 27:4 30:18 33:5 39:25 41:*1* 51:7 53:11 61:1, 24 62:8 63:7, 11, 13 66:23 69:13 93:24 96:8 109:22 112:20 114:*5*, *19* 115:*12* 117:*8* points 71:15, 16, 18, 21, 24 72:3, 5 **policy** 9:2, 3 10:5 12:17 14:5 18:3, 9 political 8:19 politically 92:6 politicians 12:11 politics 8:3 91:25 93:2 94:1 98:20 poor 46:22 poorly 93:8 94:23 **pops** 100:18 **portion** 40:15 79:17 91:8 **pose** 61:3 posing 61:7 position 22:4 51:9 58:17 78:5 99:6 106:*16* 116:*4* 128:1, 10

positioning 45:14 95:6 107:9 possibilities 57:20 possible 9:19 86:23 posted 4:25 postprocurement 49:25 posture 64:2 112:7, 19 115:1 potatoes 73:11 potent 48:14 49:3 potential 84:24 potentially 127:2 pounding 130:3 **pounds** 73:11 power 45:22 48:13 **powers** 44:25 47:12, 15, 17 49:3 practical 95:11 125:11, 22 practice 28:14 50:6 81:5 precedent 76:7 81:19 precedents 76:14 79:17 **precise** 64:18 82:8 precisely 40:24 62:5 76:17 85:18 88:20 preference 84:2 preferences 28:3 preferred 17:3 107:9 prejudice 106:18 107:3 preoccupation 37:4, 10 preoccupied 24:15 preparation 90:13 **prepare** 30:25 73:6 106:16 preparing 96:19

pre-procurement 10:24 15:15, 23 16:10 30:16
presence 102:10 105:9
PRESENT 2:11 103:6 114:11 presentation
26: <i>15</i> pressure 74: <i>1</i>
110:5 111: <i>10</i> 113:5 129: <i>15</i> , <i>16</i> , <i>21</i> 130: <i>18</i>
pressures 129: <i>11</i> presume 48: <i>22</i>
61: <i>19</i> 90: <i>24</i> presumed 127: <i>13</i>
pretty 11:16, 18 30:19 40:7
84:8 85:8 88:23 98:4, 17 102:12 119:4 prevail 122:6
prevail 122:6 prevent 137:7 previous 17:4
22:21 price 28:25 38:10 57:5
71:17, 22, 23 72:1, 18, 19 pricing 70:14
Prime 7:17 10:7 Princess 44:6
principal 9:1 10:4, 9 52:18 53:17 84:2
principally 16:1 31:10 53:13 106:11
principle 37:14 97:1
Prior 12:12 15:3 112:20 priorities 14:25
34: <i>17</i> 39:3 priority 19: <i>16</i> 34: <i>20</i> 35: <i>6</i>
38:25 private 7:20
29:7 39:20, 23 40:1, 3 47:15 93:4 99:20

privilege 88:12, *13* 122:5 126:3 privileged 95:12 96:6 98:24 102:5 108:*10* 112:5 116:15 129:8 133:20 **Privy** 10:10 **problem** 19:20 21:20 34:20 45:17 57:7 65:14 73:22 74:19 101:9, 12 111:2*4* 113:*1*3 134:*17* 135:*8*, *9* problems 45:25 75:8 77:12 85:7 99:5, 18 109:7 119:*6*, *1*3 134:22 135:7 procedural 4:23 **proceed** 67:15 105:14 115:4 117:4 proceeded 75:2 proceeding 120:9 proceedings 5:21 6:1 139:7 process 22:1, 3 26:14, 16 29:17 33:13 43:25 54:23 62:22 71:5 74:16.22 93:23 96:19 106:21 107:6 123:11 processed 26:10 processing 11:6 13:3, 7 33:19 procured 19:7 procurement 11:*5*, *15*, *25* 13:*4* 27:8, 22 30:16 59:21, 22 60:1, 10 62:2 69:15 71:5, 13 83:21 87:14, 24 procurements 73:21 produced 3:10, 16 90:1

productive

42:19 professional 8:6 **program** 11:*19* 17:10 45:16 58:19 80:12 106:11 programs 59:25 progress 31:20 34:14 76:21 78:10 79:1 project 8:10 9:15 10:1 11:1 13:16 14:2 15:10, 16, 24 16:3, *6*, *9* 19:*19* 21:21 22:4, 21 23:23 24:8 26:6 30:8, 11, 15, 20, 24 32:4, 22, 24 33:2, 17 34:14, 18 35:17 36:8, 22 37:18 38:7 39:22, 24 40:5 41:13, 14 42:2, 22 43:7, 12, 13, 14 44:12 45:2, 10, 11 46:1, 23, 24 47:2, 5, 25 48:10, 24 49:1, 5, 16, 20, 25 52:6, 13, 15 53:15, 18, 23 54:5, 10, 24 55:13 56:20 57:17 58:5, 16 60:12, 22 61:10, *25* 64:12, 14 65:4 66:22 67:17, 19 68:1, 11, 23 69:5, 18, 20, 24 70:2, 3, 11, 17, 20 73:3 75:2, 9 76:4, 9, 10 77:24 78:2, 4, 5 79:14, 18 80:21 83:6, 22 84:19 85:17, 22 86:20 88:10, 17 89:1 95:7, 19, 24 100:16 101:*7*, *16* 102:*13* 103:*20* 104:6, 11, 17 105:2*1*, 2*5*

106:*19*, *24* 115:*15* 116:*12* 120:14 123:7 124:12. 14 132:*7*, *9* 133:*11* 135:21, 23 136:3, 22 137:17 projects 13:25 53:3 60:8 63:7 65:15 75:22, 25 76:1, 8, 25 78:24 80:16 93:13, 22 98:13 123:25 project's 42:9 **proof** 20:23 **proper** 113:23 properly 37:6 43:16 82:2 99:20, 24 101:17 103:12 104:22 107:6 134:20 property 21:7 proponent 71:21 proposal 26:20 41:25 42:3 43:14 45:7 proposals 42:7 75:18 84:20 prosecution 6:2 protect 45:2 48:9, 15 49:4 protects 45:3 provide 6:14 8:5 26:20 41:24 51:8 52:25 55:25 66:14 104:25 135:*17* provided 26:3 36:24 70:22 90:12 providing 59:18 135:2 province 17:9 18:6, 21, 23 27:4 39:4 provincial 17:17, 20, 22 18:11 21:23 22:10 51:15 provision 125:*13* **PSOS** 70:17, 21

Public 4:5, 11, *22* 5:1, 16 12:4, *17* 14:*4* 30:25 58:22 63:22, 24 69:18 82:18 93:6 112:21 129:14, 15 purchased 56:22 purpose 4:9 40:8 96:22, 23 Pursuant 5:15 pursuing 7:21 11:11 **push** 77:23 **pushed** 123:21 127:17 put 21:20 24:24 35:4 36:20 40:15 41:7 51:2 76:1 87:3 98:11 110:*4*, *19* 113:*5* 133:11 139:9 **puts** 33:7 51:17 **putting** 15:10 43:11 57:8 70:7 88:25 130:*17* < Q >**QCRAs** 42:13 **QSRAs** 42:13 **quality** 25:19 54:*4* 71:*19* 87:12 128:10 Quantitative 42:*14*, *15* quantity 25:5 **quantum** 54:13 **Queen** 21:10 question 5:18 6:21 7:9 15:20 35:11 46:3 82:22 83:17 103:7 116:7 117:8

questioning

questions 3:11

4:15, 17 6:6

29:23 47:11

105:17 121:13

14:*9* 19:2*4*

61:3 67:21

131:6

131:11, 14, 17 138:7, 10, 12, 14 quick 7:9 29:23 quickly 14:23 70:11 101:14 quite 20:10 31:21 32:7 59:24 109:13 129:19 134:24 quote 89:15 quotes 36:21
<r> radio 94:20 97:10 99:14 RAIL 1:6 4:5 8:8 9:13, 15, 24 12:13, 14 13:6, 11 15:4 38:15 59:1 69:25 76:16</r>
rails 70:8 raising 118:6 ran 59:21 range 57:19 Raquel 55:8 rare 50:18 rate 39:18 rationale 61:15, 16 125:6 ratios 51:19
58:15 reach 136:6 reached 113:17 reaching 35:21 130:1 reaction 24:7 read 57:15 90:25 Readback 26:3
reading 23:4 ready 54:23 110:20, 21 116:10 126:6 real 8:18 67:24 137:23 realistic 42:12 43:15
reality 46:16 realized 35:10 really 10:14 17:14 19:16 21:6 23:23 25:13 26:19

28:12, 16 30:18

recommendation s 33:6 59:10
137:6, 10 recommended
28:2 record 138: <i>15</i>
recorded 139: <i>13</i>
records 65:24 66:2
recover 89:2 redress 95:8
122:17, 19 reduce 73:13
reduce 73:13
reductions 124:23
redundancy 68:7
reelection 92:25
reference 20:22, 25 100:6
referencing 30:5
referencing 30:5 referred 30:11
referring 29:19
91: <i>15</i> 98: <i>3</i> 99: <i>25</i> 100: <i>6</i>
101:25 103:2
104:22 105:3
121:9, <i>19</i> 123:8 refinance 58: <i>11</i>
reflect 132:20
reflecting 22:20
refused 3:11
regime 80:24 Region 9:6
31: <i>16</i>
regional 8:12,
21, 23
registers 42:13 regularly 63:23
reign 88:3
related 106:6
115:7 relates 8:7
relation 13:14
19: <i>14</i> 101:20
relative 52:2
relax 114: <i>16</i> relaxed 64: <i>6</i>
108:13 111:2
126: <i>11</i>
release 78:11
reliable 45:23 92:16 96:12, 17
122:11

relief 54:24 rely 124:25 remain 62:25 **remedied** 104:*14* remember 22:7 39:18 40:24 63:15 64:20 65:5, 7 93:19 97:3 110:*13* 111:17 112:6, 16 116:22 117:9, 13, 17 124:22 126:25 130:20 **Remo** 81:*13* remotely 1:15 remounted 103:12 repeat 26:1 **report** 81:10 86:8, 9, 12, 16 87:19, 21 102:5 reported 31:24 131:10 Reporter 25:18 118:14 139:6, 22 REPORTER'S 139:2 reporting 32:1 reports 33:11 34:1, 2 96:1 120:13 represent 132:7 repurposed 109:16 request 43:9 116:23 requests 54:24 74:*4* require 70:22 required 6:4 25:15 27:25 49:15 50:24 111:3 137:22 requirement 37:3 67:6 requirements 79:13 82:4 121:*14* requisite 81:22 107:5 residents 131:7 resiliences 51:24

resiliencies 51:19 resolution 106:21 **resolve** 106:20 resolved 106:25 resolving 134:8 resort 49:8 106:25 resources 22:5 75:9 78:*4* respect 13:5 15:14 34:22 70:18 71:3 76:3 83:1 91:7 95:6 98:23 102:25 106:15 107:21 111:18 115:2, *14* 117:11 119:15 120:17 124:7, *14* 126:6 127:*11* respected 73:8 74:23 respectfully 132:6 **respond** 87:17 132:15, 17 responded 73:10 87:21 response 24:18 25:17 105:1 responsibility 34:11 85:16.22 100:23 135:4 responsible 9:10 89:7 133:17 rest 98:18 restart 123:6, 23, 25 124:1 126:*15* 128:3 137:19 restore 51:18, 24 58:14 restrictions 82:21 result 75:20 104:10 124:13 resulting 70:19, 22 resume 8:2 66:19 retain 98:1 retained 55:16

retired 94:14
99:12
return 39:17
100:2
returns 136:5
revenue 62:21
79:22 80:7
114: <i>12, 14</i>
114: <i>12</i> , <i>14</i> 115: <i>4</i> 117: <i>4</i>
126:2 137:19
revenues 17:23
18:5, 7
review 5:10
19: <i>18</i> 21: <i>19</i> , 25
38:1 42:6
65:17 137:14
reviewed 22:3
92:18
reviewing 34:6
70:17 72:16
revised 24:25
25:1
rewrite 137:24
rid 73: <i>14</i>
Rideau 84:12
ridership 130:12
ridiculous
115:23
right-of-way
85: <i>4</i>
rights 48:5
57: <i>14</i>
risk 25:6 37:11,
113K 25.0 51.11,
13, 15, 16 39:7, 9 42:12 43:10
9 42.12 43.10
44:8 46:18, 19 47:6 49:11, 21
47:6 49:11, 21
51:9 56: <i>13</i> , <i>21</i>
60: <i>14</i> 74:9
83:1, 13, 20
84: <i>4</i> 85: <i>14</i> , <i>19</i> ,
20 86:17, 21
87: <i>4</i> 88: <i>19</i>
89:8 135:22, 23
risk-averse
87:25
risks 39:21
42:17, 21 134:1
risky 21:1
road 113: <i>13</i>
Rob 59:23 61:1
robust 24:17
rock 85:11 12
rock 85:11, 12 rods 85:1
1003 00.7

role 13:7 15:17, 25 32:25 40:1, 3 41:16 45:6 46:9, 10 55:10 59:8 60:2, *9*, *16*, 20 62:21 63:8, 10 81:9, 12 119:*17*, *18* room 125:22 rooms 81:21, 23 root 95:15 96:1 132:18 **round** 38:7 **route** 20:9 57:12 **RTG** 69:*9*, *11* 105:22 107:9 109:8 111:*12* 112:15 113:9 114:*4*, *10*, *22* run 8:23, 25 69:2 82:1 92:24 93:5 110:7 122:11, 25 123:12 124:1, 3 rung 85:21 86:15 88:5 running 8:20 14:*14*, *19* 62:*15* 79:13 92:8 100:20 106:23 109:*14* 119:*16*, 17. 19 120:1 121:2, *5*, *14*, *15* 122:2, 8, 20 123:1 124:17 125:2 126:9 127:2 130:9 < S > **safe** 68:6 **safety** 13:22 **samples** 84:17 **sand** 84:14 satisfactory 88:11 schedule 41:4 42:10, 14, 24 89:3 106:20 scheduled 45:19 50:9 schedules 34:5, 6

Schepers 31:22

scope 24:24 26:23 69:20 70:9 115:21 score 87:14 **scores** 72:9 screaming 64:*14*, *15* **screen** 6:16 27:24 97:16 111:2*1*, 22 screw 98:14 **screwing** 91:10, 18 97:19 scroll 6:19 **se** 34:5 135:1 **seconds** 56:10 secretary 10:9 section 5:15 6:4. 7 sector 29:7 39:23 99:20 **secure** 41:10 secured 44:4 103:6 securities 23:2 57:11 security 44:20 47:24 48:16 136:7 **seeking** 92:25 95:7 120:14 **seeks** 118:*14* **select** 29:15 **selected** 16:11. 23 24:10 52:4 87:5, 6 125:6 selection 13:23 24:21 35:12, 15 39:3 send 116:23 senior 10:5 12:10 17:8 26:11 27:17 28:4 33:6 36:6 **sense** 39:16 41:19, 25 69:3 81:*18* 100:*25* 102:*12* 122:*9*. 12 131:3 sequential 84:18 85:10 **serious** 20:20 73:16 **servant** 91:13

servants 12:11 **served** 58:22 service 9:22 12:4 45:22 46:21 58:14, 15 62:22 63:22, 24 64:23 65:8 68:13, 16 69:2 79:23 80:7 97:7 108:*19* 109:11 112:21 114:12, 15 115:4 117:4, 6 118:*19* 122:*25* 123:*1* 124:*3*, *4* 126:2 128:20 130:10 131:9 137:19 services 70:25 sessions 122:5 **set** 18:13 32:12 79:13 105:12 139:9 setting 80:22 settled 26:24 **severe** 122:10 shafts 86:2 **share** 17:10 41:14 50:14 69:13 111:22, 25 **shared** 5:5, 11 124:11 126:12 shareholders 53:25 sharing 6:16 111:21 **shed** 135:22 **sheet** 115:3, 11 135:22 **sheets** 44:10 **shelf** 41:8 51:3 **shift** 103:10 **shock** 94:7 shoehorn 54:2 **shoes** 52:9 57:3 67:3 **short** 53:21 54:14 98:25 shortest 16:20 shorthand 139:16 shorts 41:11 short-term 40:21 41:3

show 6:15 73:1 89:11 showing 6:17 **shown** 66:7 115:24 128:24 side 72:10 75:20 134:13 **sides** 95:1 sidewalk 43:19 siding 120:17 signal 73:1 74:14 signalling 13:23 68:*6* 100:*21* 101:1, 17 signals 75:17 **signed** 49:22 51:9 134:19 significant 19:11 **simple** 14:15 **simply** 46:10 51:1 **single** 91:4 113:10 123:12 132:8 sinkhole 54:17 88:7, 9, 17, 19 **sits** 103:14 **sitting** 51:20 situation 46:5 48:22 50:16 101:19 104:15 **sizing** 89:13 skills 29:8 **skin** 36:20 38:9 slightly 23:1 124:19 **slip** 102:9, 11 slow 6:20 slowed 36:1 **slug** 51:17 **slush** 102:11 **small** 24:3 30:18 93:25 98:19 **smashed** 56:19 **SNC-Lavalin** 40:13 95:8 **snow** 102:11 snowstorm 35:24 **social** 59:25 76:9 109:23 software 101:7

sole 69:12
solemn 4:10
solution 20:10
26.23 29.13
26:23 29:13 52:3 87:15
52.3 87.15
solve 25:1 57:7
solved 75:7
somebody 23:4
48:23 51:5
71:25 91:22
98:8 108:2
somewhat
124: <i>16</i>
sophisticated
44:9
Sorry 15:19
25:20 79:20
81:2 83:8
111:20 119: <i>1</i> 9
134:6
sort 10:1 11:7
16:18 33:19 35:2 38:17 42:25 84:1
25.2 20.17
35.2 36.17
42:25 84:1
85:25 88:2 <i>0</i>
120:19 124:19
120.79 124.79
133:6
sorts 25:11
76:17
sought 59:20
30 00 39.20
78:23
sounded 94:22 sounds 39:1
sounds 39·1
135:11
source 18:5, 7
69:12 130:18
space 7:23
8:19 67:19
116:7 127:23
116:7 127:23 spare 113:6
sparos 113:7
spares 113:7 speak 75:19
speak 75:19
82:11 92:2
106:23 125:7
speaking 102:2,
3 105:25
Spec 70:18
Special 40:8
opecial 40.0
species 14:5
22:19
specific 34:11
35:11 70:18
74:11 76:2
81:9, <i>11</i> 100: <i>14</i>
111: <i>17</i> 112:3

<u>/</u>
117:2 <i>4</i> 122:3,
21 127:9 129:6
137:9
specifically
15:9 42:22
100:5 112: <i>17</i>
specification
26: <i>17</i> 70:23 72:6, 8 74: <i>5</i> , 9
80: <i>14</i>
specifications
12:25
speculation
61:23
speculative
61: <i>17</i> spelled 78: <i>17</i>
spend 96:18
spends 24:9
spent 12:4
19: <i>1</i> , <i>14</i> 31:21
33:14
spike 17:21
split 40:23 spoken 74:20
spot 60:20
94:2 <i>4</i> 101: <i>4</i>
SPV 40:8
stable 92:15
staff 32:3, 19
33:2 34: <i>13</i> , 23
130:2 131:6
Stage 8: <i>8</i> 10: <i>25</i> 12: <i>1</i> 3
14:3 15: <i>4</i> , <i>16</i> ,
24 50:4, 23
55:2, <i>4</i> , 11, 17
56:5 59:13, 15,
16, 22 67:3, 15,
24 68:4 69:3, 13, 21 70:14, 15
71:2 73:10, 24
74:24 75:12, 18,
23 78:8 79:6
80: <i>13</i> 83:2, <i>7</i> ,
21 106:7 107:2
126:7, / 132:7
126:1, 7 132:1 staged 110:6 stages 130:6
stairs 102:9, 12
stakeholders
13: <i>15</i> , <i>17</i> 30: <i>24</i>
standard 38:3
72:11, 12 120:22

standing 55: <i>3</i> 126: <i>24</i>
120.27
stands 9:22
start 24:14
28:10 64:23
76: <i>4</i> 109: <i>10</i> , <i>12</i>
124:9 128:8
124.9 120.0
started 8:11
10:21 11:13
20:20 21:19
24.5 26.13
30:21 52:14 20
10:27 11:13 20:20 21:19 24:5 26:13 30:21 52:14, 20 54:15 55:4
54:15 55:4
starting 13: <i>14</i>
20:21 38:6
53:18 82:13
99:2 <i>4</i>
statement 97:15
98:3
station 73·14
station 73:14, 15, 17 119:8
15, 17 119.6
stations 13:18
17:6 82:2
102: <i>10</i>
status 64:1
stay 52:24
111:2
stayed 11:1
52:19 53:3
Staying 111: <i>1</i>
31ayilig 111.7
steer 108:7
steering 52:25
60:21 62:3, 9
63:1, 9, 10
108:1 112:6
100.7 112.0
116: <i>16</i> , <i>24</i> 120:3
Stenographer/Tra
nscriptionist
2:12
step 17:15
10.1 10 10.1 7
46: <i>4</i> , 12 48: <i>4</i> , 7
50:16 52:9
67:2 106:7
120:7 133:5
Stephen 106:12
Stephen 106: <i>13</i> stepped 52: <i>13</i> ,
siepped 52:73,
20 57:2
stepping 47:8
57:1 <i>4</i>
steps 87:6, 16
406:00 440:40
106:22 112:12 Steve 106:12, 13
Steve 106:12, 13
stick 85:1

```
stop 62:9
101:3 102:19
104:13 136:8
stopped 53:10
62:5, 6 63:14
65:11 101:18
storage 14:17
69:5
story 54:14
74:13 129:18
strain 64:10
street 21:11, 17
strengths 92:9
strikes 118:5
strong 27:6
29:10 44:10
84:2 97:20
127:10 128:2
strongly 27:11
struck 97:6
structurally
135:12
structure 45:21
49:7 56:20
57:23
struggling 17:25
stuck 130:23
stuff 31:10
33:8, 12 43:6,
19, 20, 24 46: 12
49:9 82:14
83:10 88:13
95:24 104:17
120:19
STV 12:23, 24
style 32:7, 8
subcontract
134:2
subcontractors
31:3
sub-debt 51:17
52:2 57:25
subject 40:7
43:4 126:3
submissions
105:22
submit 138:5
subordinated
51:17
subsequent
75:23
substantial 41:4
45:19 50:10
53:16 62:14, 19,
20 64:15, 17, 21
```

65:6 77:16 80:7 101:10 105:23 106:3 107:21 109:20 111:5 113:*14*, 17, 19, 24 114:1, *11, 14* 115:*17, 25* 116:5 120:14 121:1 128:5 129:22 **subways** 11:24 80:23 succeeded 8:25 success 80:2 123:16 successful 9:21 20:14 76:23 85:9 107:16 123:2, 10 **suggest** 137:11 summarize 39:2 **super** 55:5 128:2 superpowers 46:11 57:6 59:5 superstar 55:8 supervening 43:1 54:3, 25 85:24 86:22 87:20 89:5 **supplied** 36:13, 15 41:13 supplying 45:4 **support** 13:21 17:10 91:11, 18 supposed 104:7 137:16 **surface** 21:15 surveyors 25:5 suspect 66:7 **Sussex** 84:12 **swap** 52:8 57:2 **sweating** 127:*13* switchback 20:2 system 8:9 12:13 14:19 15:5 20:14 34:21 35:20, 25 38:16 45:23 59:1 64:7 68:*6*, 12 83:14 92:14 95:16 96:11, 16 99:6, 22 100:21 101:1, 17 102:24 104:13

OLRTPI Witness Inter Brian Guest on 5/18/2
109:4 110:15 111:4, 12 112:2, 9, 23 114:17, 21 116:10 117:5 118:21 119:5, 10, 25 120:5 121:23 125:9 126:12, 20 127:1 128:20 129:12 130:18 134:19 systems 69:25 81:4 system's 122:11
<t> table 14:25</t>
table 14:25 21:22 24:14 57:8 73:16
57:8 73:16
109: <i>14</i> 134: <i>15</i>
tailoring 60:14
takes 33:8
85· <i>22</i> 121· <i>16</i>
talented 125:18
talented 125:18 talk 16:5 17:16 26:21, 22 50:23
26:21, 22 50:23
52:7 69:9
83:12 99:14
109:23 112:5
talked 47:12
79:22 85: <i>18</i> 123: <i>14</i> 126:7
123.74 120.7 127: <i>4</i>
talking 14.24
talking 14:24 93:24 94:2
108:8 120:25
target 18:4
tooked 121:24

tasked 131:24 tax 13:13 17:19 19:3 **tax-based** 10:*15* taxpayer 12:6 taxpayers 112:16 **TBM** 84:23 85:8 team 4:8 30:9, 11, 24 33:2 36:7, 8, 9 62:2*4* 67:19 86:20 teams 26:19 29:14 80:21 **team's** 38:8 technical 12:19, 21, 25 14:8, 9 42:6 71:16

72:*4*, 10 95:25 102:23 103:8 131:25 technicals 33:8 Technician 2:13 technologies 7:21 **teeth** 85:5 tells 86:15 **temper** 30:8 template 37:20 38:5, 14 56:24 **Temporally** 67:13 temporarily 67:23 temporary 109:9 tend 5:19, 20 72:4 tended 127:23 **tension** 104:9 134:25 tensioners 104:*4* **term** 68:4 77:17 80:16 115:*3*, *11* terminate 56:11 57:20 termination 56:6 terms 9:2, 25 11:6 12:6 15:*18* 17:*5* 18:12, 16 26:21 34:1 35:12 46:17 50:7, 8 53:2 57:22 61:22 65:10 70:7 73:5 74:8 76:23 80:5 81:19 82:8 83:13, 19 92:3 97:3 99:*4* 103:25 104:3 106:23 113:24 116:7 121:*15* 124:17 125:25 127:*16* 128:3 130:*5*, *21* test 113:16 testimony 139:11

Thales 36:24

70:6

theme 111:16, 18 **theories** 107:*15* theory 41:23 44:3 46:15, 16 50:6 thing 17:14 23:14 26:18 28:23 30:7 33:20 35:2, 18 72:25 74:15 89:4 93:3 94:3 97:6 101:23 108:*17* 110:*11* 112:19 120:25 131:14 132:19 things 14:22 15:1 17:20 22:1 30:10 32:10 34:9 38:24 42:16, 25 48:14 49:19 50:18 52:18 64:25 82:1 92:13, 14, 17 104:18, 21 106:5 107:1 108:4 122:19 126:18, 24 **thinking** 14:10 24:19 80:4 94:16 98:8 99:10 thinks 86:14 third 86:15 thirty-year 56:13 thought 9:17 16:8 23:23 29:1 38:23 64:2 72:21 87:18 92:2, 4 93:3, 6 94:1, 13, 22 96:21 108:17 111:13 112:10 121:10 127:21 128:22 thoughtful 116:1 thoughts 33:9 threatening 122:10 threshold 80:1 **ticket** 41:9 58:11 tiebacks 84:25

85:3 tight 18:2, 9 tighten 104:8 tightly 100:24, 25 tile 113:22 till 84:13 88:22 time 4:16 6:10 7:14 8:13, 15 9:10, 12 10:23 11:9, 16, 22 13:1 16:6, 8, 10 17:2 18:8 19:17 20:10, 12, 16 21:5 22:7 23:17 24:9, 19 25:22 27:9, 15 31:21 34:23 38:6, 21 40:5 50:5 53:8 54:22 59:7 60:17 61:4, 9, 20 63:2 64:2, 16 66:21 69:23 70:11 81:16 94:12, 14 95:5 96:18 97:23, 24 98:5 101:24 104:24 106:1, 4 107:25 108:5, 18 109:2, 3 111:3, *5*, *19* 114:*17* 116:*24* 119:22 121:5, 18 123:20 126:14 129:13 135:19 137:25 138:*12* 139:*8*, *9*, 12 timeline 52:6 66:22 timelines 98:25 130:17 times 31:14 114:2 120:6 123:5 130:11 **timing** 131:*19* today 83:22 98:19 105:5 138:*14* **today's** 4:9 **tolerance** 111:*13* top 19:2 33:*13* 88:5 135:17, 24

136:1, 17

topics 132:3 136:24 torn 24:11 **Toronto** 11:*11*, 12. 13 18:21 52:20 55:6 75:25 78:24 93:13 119:20, 21 total 86:16 tough 110:3 128:12 town 133:15 track 103:11 **tractive** 101:4 traditional 17:10 train 82:1 100:22 101:3, 8 104:4 110:2 trains 14:14 68:8, 15 110:12 trajectory 34:18 transcribed 4:19 139:14 transcript 4:21, 25 5:4, 10, 11, 14 23:6 139:16 transfer 37:12 39:7, 9 56:21 60:14 74:10 83:1, 13, 20 85:19 87:4, 11 transferred 39:22 89:9 transferring 85:14 86:21 **Transit** 4:5 8:9 12:*13* 15:*4* 20:14 34:21 35:6 38:16 58:22, 25 93:13 96:16 109:10, 16 transparency 103:22 transparent 93:19 transparently 93:1 **Transpo** 62:23 travelling 82:4 treasurer 31:17 treat 58:12 115:18 132:23 tree 26:7 trial 5:25 62:15 79:*12* 119:*16*,

17, 18 120:1 121:2, 4, 14, 15 122:2, 8, 20 125:1 126:9 triangle 133:6 trigger 101:2 126:18, 21 Trillium 9:11 12:15 23:17 trinket 13:24 truck 88:24 true 37:22 77:4 131:15 139:15 trying 24:10 33:17 35:18 41:18 47:20 61:5 86:21 95:15 98:7 109:8 113:8 114:3 116:2, 25 122:19 125:24 126:23 134:16 tuned 101:17 tunnel 43:21 78:7, 11, 15, 16 84:7, 18, 23 85:6, 14, 17, 23 88:2 89:8 tunneling 84:5, 11
Tunney's 109:24 turned 73:9 85:25 92:23 turning 101:3 turnkey 14:12 type 22:15 24:21 30:23 95:14 115:13 123:6, 9 124:13 127:10 128:25 types 14:7 39:21 typical 122:15 typos 5:10
<u> U/T 3:16 55:24 66:13 82:19 105:7</u>

U >
U/T 3:16 55:24
66:13 82:19
105:7
UK 76:14
ultimate 59:10
ultimately 121:6
un-biddable

87:23 uncertain 97:2 uncomfortable 127:1 uncompleted 115:20 underlined 68:14 undermine 125:19 137:15 underneath 20:8 51:18 understand 12:9 17:14 20:2 21:2 23:7 25:25 32:25 61:8 66:23 67:*4* 103:*9* 105:24 108:22 111:9 121:22 128:15 129:11 understanding 12:8 14:22 33:24 34:17 40:1 60:19 71:5 103:16 129:11 understood 17:13 88:20 96:24 97:2 126:22 undertaken 3:10 **UNDERTAKINGS** 3:15 **undue** 128:23 unduly 125:14 unfortunately 136:12 unheard-of 104:11 uninterrupted 124:2, 18 **Unit** 9:23 universally 18:*20* 63:*4* 123:2 136:17, 18 unnecessary 74:7 unreliable 95:17 unusual 35:3 unwelcome 93:14, 15 96:20 **updates** 119:25 121:25

upset 130:16

urgency 108:18 112:14 **URS** 12:23 utilities 25:14 utility 26:8 42:23 49:24 61:6 < V > valuable 60:5 **value** 11:5 27:20 39:15 41:9 58:11 61:21 74:2 75:8 76:19 77:2, 10 78:25 79:1 115:20 **valuing** 107:1 variation 54:9 variety 36:14, 15 51:12.25 79:8 84:21 **various** 26:19 27:21 31:4 36:25 54:4 56:4 65:18 136:3 vectors 92:6 135:6, 11 15 22

vehicle 13:23 40:8 113:10 vehicles 95:22 113:*4* 135:*3* vendors 36:14. **Verbatim** 139:6, **version** 80:19 versus 57:13 **viable** 83:21 **vibe** 131:1. 2 Videoconferenci ng 1:14 view 27:11 60:8 69:11, 14 74:6 79:24 103:21 109:1 111:*4*, *25* 112:25 114:7, 15, 20, 25 124:11 132:15 133:1 134:14 Virtual 2:13 vis-à-vis 45:15

visibility 118:24 vision 58:20 Vitae 3:3 7:7 vital 68:5 vitriolic 89:16 voice 63:6 volumetric 78:16 voyage 42:4 vying 26:20

< W >**WACC** 41:19 **wait** 107:10 111:*14* 112:*1*, 22 114:21 waiting 126:19 **walk** 16:20 wanted 8:23 13:18 24:16 35:19 36:3, 6, 7, 8 37:5 47:11 54:17 64:23 68:24 69:14 72:25 73:3 87:18, 19 88:1 93:4 107:13 128:22 129:*15* wanting 79:22 **wants** 99:7 135:21 warranty 133:16 **washed** 57:24 **Waterloo** 18:24 ways 36:17, 19 51:12 93:11 weaknesses 92:9 wears 101:4 website 5:1 90:5 **weeds** 32:9 week 11:13 90:13 weeks 117:16 118:*1* weight 130:2 weighted 41:20 weird 135:11

welcoming

37:18, 20

well-established

94:12

wheel 100:19 101:3, 5, 10 113:12 wheels 100:20 101:*18* wherefores 96:3 129:20 whistles 72:7 who-are-thesequys 24:7 **whys** 96:2 wife 8:22 winner 24:10 winning 71:17 wire 104:4 wise 123:24 witness 5:16, 20, 23 139:9, 11 wondering 114:19 won't 66:3 word 131:2 words 125:17 work 6:17 7:11, 20 8:1, 8 9:9 10:9 11:25 12:12, 15 13:6 15:3, 15, 18, 22 17:17 18:20 30:5 33:21 36:13 37:5 58:7 69:18 70:5 96:10 100:10 104:21 110:20 114:3 126:2, 5 132:21 133:19 136:20 137:11 **worked** 13:25 14:3 15:10 31:3, 4 71:6, 12 75:23 83:6 88:6 89:1 98:13 **working** 7:13, 16 8:10, 18 10:3, 21 11:14 30:15 52:21 81:19 106:8 122:14 134:21 workmanship 104:16 works 18:19 49:6 55:22

66:17 79:2

100 10 105 10	1	1	1	1
100:12 135:12				
136: <i>13</i>				
World 20:5				
38:16				
world-class				
29:9 86:13				
worried 87:9				
98:12 109:23				
worry 112:8				
126: <i>18</i> , <i>22</i>				
worse 51:8, 10				
68:22				
worth 11:20				
39:17 72:16				
wound 100:24,				
25				
write 34:2				
writing 31:4				
33: <i>11</i> 91: <i>9</i>				
written 105:1				
wrong 35:24				
86:1 107: <i>18</i>				
108: <i>15</i> 114: <i>8</i>				
131:2 135:6				
wrongfully				
116: <i>4</i>				
wrote 89:24				
< Y >				
Yeah 6:23, 25				
14:20 23:8				
24:20 29:6				
35:9 45:6				
50:12 60:25				
63:3 74:12				
90:24 91:3, 6				
97:17 114:23				
118: <i>12</i> 120: <i>11</i>				
128: <i>18</i> 138:3				
years 9:5				
56:17 97:7				
130:25 131: <i>1</i>				
133: <i>16</i>				
<z></z>				
zone 7:25				
Zoom 1: <i>14</i>				
	I	1	I	1