Ottawa Light Rail Commission

Richard Piloseno on Tuesday, April 12, 2022



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6	OTTAWA LIGHT RAIL COMMISSION
7	AECOM - RICHARD PILOSENO
8	APRIL 12, 2022
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15	Held via Zoom Videoconferencing, with all
16	participants attending remotely, on the 12th day of
17	April, 2022, 9:00 a.m. to 12:00 noon
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    COMMISSION COUNSEL:
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    Kate McGrann, Co-Lead Counsel Member
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    Daniella Murynka, Litigation Counsel Member
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    PARTICIPANTS:
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    Richard Piloseno: AECOM
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    Patrick Leong: AECOM
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    Also Present:
11
    Deana Santedicola, Stenographer/Transcriptionist
12
    Chandani Joshi, Virtual Technician
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    Omar Ali, PwC Observer
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* The following is a list of documents undertaken * to be produced, items to be followed up on, or questions refused ** б INDEX OF UNDERTAKINGS The documents to be produced are noted by U/T and appear on the following page/line: 33:7, 91:12

1 -- Upon commencing at 9:07 a.m. 2 3 RICHARD PILOSENO; AFFIRMED. 4 KATE McGRANN: Mr. Piloseno, the 5 purpose of today's interview is to obtain your 6 evidence under oath or solemn declaration for use 7 at the Commission's public hearings. This will be 8 a collaborative interview such that others may 9 intervene to ask certain questions. If time 10 permits, your Counsel may ask follow-up questions 11 at the end of this interview. 12 This interview is being transcribed, 13 and the Commission intends to enter this transcript 14 into evidence at the Commission's public hearings, 15 either at the hearings or by way of procedural 16 order before the hearings commence. A transcript 17 will be posted to the Commission's public website, 18 along with any corrections made to it, after it is 19 entered into evidence. 20 The transcript, along with any 21 corrections later made to it, will be shared with 22 the Commission's participants and their Counsel on 23 a confidential basis before it is entered into evidence. You will be given the opportunity to 24

²⁵ 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.

5 Pursuant to Section 33(6) of the Public б Inquiries Act (2009), a witness at an inquiry shall 7 be deemed to have objected to answer any question 8 asked of him or her upon the ground that his or her 9 answer may tend to incriminate the witness or may 10 tend to establish his or her liability to civil 11 proceedings at the instance of the Crown or of any 12 person, and no answer given by a witness at an 13 inquiry shall be used or be receivable in evidence 14 against him or her at any trial or other 15 proceedings against him or her thereafter taking 16 place, other than a prosecution for perjury in 17 giving such evidence.

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

If at any point during this interview you need to take a break for any reason, just let us know, and we will go off the record. By that, I mean we'll stop transcribing the interview and we 5

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1	can take a break, and the same thing, of course,
2	goes for everybody else who is in attendance here
3	today.
4	Do you have any questions about any of
5	that?
6	RICHARD PILOSENO: No, I do not.
7	KATE McGRANN: So in advance of the
8	interview, your Counsel provided me with a little
9	bit of information about the work that you did on
10	Stage 1 of Ottawa's Light Rail Transit Project,
11	which is what we are here to talk about today, so I
12	just want to confirm that information with you, and
13	then I'll start asking you some questions.
14	I understand that you were the On-Site
15	Facilities Design Lead working out of the City's
16	office from 2010 to the end of 2012; is that right?
17	RICHARD PILOSENO: That's correct.
18	KATE McGRANN: Okay, and when I say you
19	were working out of the City's office, what does
20	that mean?
21	RICHARD PILOSENO: So I was co-located
22	in the City of Ottawa's office with their staff.
23	KATE McGRANN: Okay. And did that
24	speak only to where you physically worked, or was
25	it a work arrangement, like a secondment or

1	something like that?
2	RICHARD PILOSENO: I was not seconded
3	to them. It was just a work arrangement to keep
4	the communication, you know, close, quick, tight.
5	KATE McGRANN: Okay. And then I also
б	understand that during the evaluation of the
7	consortia's submissions in response to RFQ and RFP,
8	you were the Facilities Lead for the technical
9	evaluation; is that correct?
10	RICHARD PILOSENO: Only for the RFP. I
11	was not involved in evaluation of the RFQ.
12	KATE McGRANN: And is it correct that
13	you assisted with representing the City during the
14	negotiation of the Project Agreement up to close of
15	that agreement?
16	RICHARD PILOSENO: Yeah, for technical
17	issues related with the station facilities, yes.
18	KATE McGRANN: And then from 2012 until
18 19	KATE McGRANN: And then from 2012 until project close, you were Capital Transit Partners'
19	project close, you were Capital Transit Partners'
19 20	project close, you were Capital Transit Partners' Facilities Lead for design review; is that correct?
19 20 21	project close, you were Capital Transit Partners' Facilities Lead for design review; is that correct? RICHARD PILOSENO: Correct.
19 20 21 22	project close, you were Capital Transit Partners' Facilities Lead for design review; is that correct? RICHARD PILOSENO: Correct. KATE McGRANN: And in that role, you

1	during that time?
2	RICHARD PILOSENO: Peter
3	Schwartzentruber and then later on Rajan Shrichand.
4	KATE McGRANN: And then towards the end
5	of 2014, you took on an additional role of Capital
6	Transit Partners' Project Manager for the contract
7	and stayed in that role through to the end of
8	project close; is that correct?
9	RICHARD PILOSENO: That is also
10	correct.
11	KATE McGRANN: And in your role as
12	Project Manager, what was the scope of the project
13	that you were responsible for?
14	RICHARD PILOSENO: So my role was to
15	provide the City with staff, what we called subject
16	matter experts, to assist with design review,
17	responses to RFIs, any issues that would come up in
18	construction where the City would need advice from
19	the technical experts.
20	KATE McGRANN: Okay, so in that role,
21	you are not only looking at facilities, you are
22	looking at the entire project?
23	RICHARD PILOSENO: Well, yeah, I would
24	look I would provide through our JV certain
25	subject matter experts as required for the

1	situation.
2	KATE McGRANN: Okay. Can you speak
3	generally to AECOM's experience in light rail
4	projects?
5	RICHARD PILOSENO: AECOM as a whole?
6	KATE McGRANN: Yeah.
7	RICHARD PILOSENO: I really can't talk
8	to the breadth of their experience other than it is
9	extensive in both facilities and systems and rail
10	maintenance facilities, et cetera.
11	KATE McGRANN: Okay.
12	RICHARD PILOSENO: I can't quote any
13	numbers on how many projects, et cetera.
14	KATE McGRANN: To your knowledge, has
15	AECOM worked on the construction of a light rail
16	project before?
17	RICHARD PILOSENO: Yes.
18	KATE McGRANN: And have you worked on a
19	light rail construction project before?
20	RICHARD PILOSENO: A design project?
21	Yes, prior to this project. Those were not
22	constructed. They were only designed.
23	KATE McGRANN: So you worked in the
24	design phase but did not remain through the
25	construction of the project?

1 RICHARD PILOSENO: Correct. 2 KATE McGRANN: Can you give me the 3 names of the light rail design projects that you 4 were involved with before? 5 RICHARD PILOSENO: The Scarborough SRT, 6 and then it was also the Scarborough Conversion 7 with Metrolinx, so it was basically the same 8 project twice, Honolulu Area Rapid Transit project, 9 and a maintenance facility in Denton County, Texas. 10 KATE McGRANN: And then speaking more 11 broadly than your areas of focus, can you just 12 describe for me generally what AECOM's role was in 13 the preliminary engineering phase of the Ottawa 14 LRT, Stage 1? 15 RICHARD PILOSENO: Yes, so initially we 16 had a project controls -- we were Project Controls 17 We were the Facilities Design Lead. We did Lead. 18 have a sub-consultant of Perkins&Will, which at 19 that time was Busby, and then Busby Perkins & Will. 20 So the station facilities design, and we also had a 21 civil design lead who managed other JV partners for 22 that portion of the project, which was -- included 23 the rail drainage grading and property support. 24 KATE McGRANN: And who was that person? 25 Paul Beede. RICHARD PILOSENO:

1	KATE McGRANN: Any other areas of
2	responsibility during the preliminary engineering
3	phase?
4	RICHARD PILOSENO: No, no.
5	KATE McGRANN: And then during the
6	procurement phase, what was AECOM's role on the
7	project during that time?
8	RICHARD PILOSENO: It was basically
9	similar roles, that I was leading the facilities,
10	development of the PSOS, Paul beady was leading the
11	development of the civil PSOS, the project-specific
12	output specifications, and then we also had at
13	that time a gentleman joined, Charles Wheeler, who
14	kind of led co-lead, you know, the entire
15	writing of the Project Agreement and the
16	project-specific output specifications, along with
17	negotiation of some integrated entrances.
18	KATE McGRANN: And then moving from the
19	procurement phase to the construction phase, what
20	was AECOM's role during that time?
21	RICHARD PILOSENO: So we had a similar
22	role. We reviewed the design for the station
23	facilities and the civil Paul was still leading
24	the civil design for compliance with the output
25	specifications, and then we had a minimal

1 minimum role really in construction. We did have 2 one employee who was on-site, like we called them 3 site monitors, who monitored the construction again 4 for conformance with the project output 5 specifications and the design documents that were 6 provided by the design builder. 7 KATE McGRANN: Who filled that role? 8 RICHARD PILOSENO: A gentleman called 9 David Tersigni. 10 KATE McGRANN: And did he remain in 11 that role for the entirety of construction? 12 RICHARD PILOSENO: Yes, he did, 13 virtually. He left very near prior to the -- he 14 left AECOM prior to the end -- or he left not AECOM 15 but the project prior to complete closure of the 16 end, but for all intents and purposes was there for 17 the entire construction, yes, on the -- looking at facilities, station facilities. 18 19 KATE McGRANN: Okay. So his role as 20 Site Monitor was specifically with reference to 21 station facilities? 22 RICHARD PILOSENO: Correct. 23 KATE McGRANN: Okay. Did Capital 24 Transit Partners have other Site Monitors working 25 at the same time focussed on other areas of the

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1	project?
2	RICHARD PILOSENO: So I believe all of
3	our site we had three Site Monitors that were
4	employed by CTP, and they were all at stations. So
5	it was David Tersigni
6	KATE McGRANN: So
7	RICHARD PILOSENO: Sorry, they were all
8	at stations, David Tersigni, Robert Plummer, and
9	Robert Goulet.
10	KATE McGRANN: When you say they were
11	all at stations, what does that mean?
12	RICHARD PILOSENO: They were
13	responsible to monitor station constructions, the
14	same role as David.
15	KATE McGRANN: Do you have any
16	knowledge as to how the City monitored the
17	construction of the other aspects of the system?
18	Like who would have filled that kind of role for
19	the other aspects of the system?
20	RICHARD PILOSENO: They were all either
21	City engineers or City junior engineers. It was
22	all City staff.
23	KATE McGRANN: And would they have been
24	in a similar site monitor type role to what you
25	and not you, what Mr. Tersigni and the other two

1 gentlemen you described were doing? 2 RICHARD PILOSENO: Yes, they would be, 3 for -- yeah, for various different disciplines. 4 There were some civil folks, some systems 5 communications folks, train control folks. There 6 were other -- they had other disciplines covering 7 each part of the construction. 8 KATE McGRANN: So I will come back to 9 that because we are going to kind of try as best 10 possible to work through the project 11 chronologically. 12 RICHARD PILOSENO: Yes. 13 So starting with your KATE McGRANN: 14 work as Facilities Design Lead, you commenced in 15 Do you remember when about in 2010 you 2010. 16 started work on this? 17 RICHARD PILOSENO: Yeah, it was the 18 like first or second weekend in October because I 19 believe my first trip I came home on your 20 Thanksgiving weekend and missed my flight. 21 KATE McGRANN: And what was the status 22 of the project when you joined on a weekend in 23 October? 24 Well, we were RICHARD PILOSENO: 25 putting -- we were doing -- our first trip that we

1	did was to review some of the existing VRT stations
2	from a facilities point of view, and we were also
3	at that time working on developing the work plan
4	for the reference concept for the preliminary
5	engineering, because at that time we didn't know we
6	were doing a reference concept because the delivery
7	of the project was unknown at that point in time.
8	KATE McGRANN: Okay, so two questions
9	about that. What is a reference concept?
10	RICHARD PILOSENO: A reference concept
11	is a design really to use to establish kind of the
12	needs of the project and property requirements for
13	the project and to give one way to solve the
14	problem to a design builder who is free to redesign
15	as long as they meet the requirements of the
16	contract. But it is to show, you know, it is a
17	buildable project.
18	KATE McGRANN: Okay. You said that the
19	delivery is unknown. You mentioned that a
20	reference concept would be given to a design
21	builder to use. So when you say the delivery is
22	unknown, what do you mean?

RICHARD PILOSENO: So when we began the
 project, it was not clear right at the beginning if
 this would be a straight design/build project, if

1	it would be a design/build/finance project or a
2	design/build/finance/maintain. There were several
3	ways that it could be procured, and that was at
4	the beginning, that was not known. You know, it
5	could have been a design/bid/build too, but we were
6	still unclear. The City hadn't made that decision
7	when we started.
8	KATE McGRANN: Okay, and did the fact
9	that the delivery model was unknown at the time you
10	started have any impact on the way that you
11	approached the work that you were doing?
12	RICHARD PILOSENO: No, we were still
13	looking, you know, to do what would be called the
14	30 percent design. You know, that would be a
15	departure for it could be a departure for any of
16	the delivery methods. So it really had no impact
17	at that point in time.
18	KATE McGRANN: What was the status of
19	the project budget when you joined?
20	RICHARD PILOSENO: I am unclear on your
21	question. What do you
22	KATE McGRANN: What information were
23	you given to work with in terms of how much the
24	City thought it could spend or could be spent on
25	Stage 1 of the LRT?
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1	RICHARD PILOSENO: I believe that we
2	were provided with a budget number of construction
3	cost I believe of, I want to say, 2.1 billion.
4	KATE McGRANN: And
5	RICHARD PILOSENO: Hard construction.
6	KATE McGRANN: Sorry, say that again.
7	RICHARD PILOSENO: Hard construction
8	cost.
9	KATE McGRANN: And when you say it is a
10	hard construction cost budget, what does that mean?
11	RICHARD PILOSENO: So that wouldn't
12	include property. It wouldn't include fees for any
13	of the City staff to support the project, et
14	cetera.
15	KATE McGRANN: And when you say it
16	wouldn't include property, does that include
17	property acquisitions required for the stations or
18	other things?
19	RICHARD PILOSENO: Yes, I believe that
20	to be the case, yes.
21	KATE McGRANN: Did you have a view in
22	and around the time you started about whether the
23	2.1 billion budget for hard construction costs was
24	sufficient for what the City wanted to accomplish
25	with Stage 1 of the LRT?

1	RICHARD PILOSENO: Another tough
2	question. I think we did do some changes. We did
3	not think the original scope would have fell inside
4	that envelope.
5	KATE McGRANN: The original scope would
6	have fell inside
7	RICHARD PILOSENO: Would not have.
8	KATE McGRANN: Would not have.
9	RICHARD PILOSENO: Would not have.
10	KATE McGRANN: And when you say you did
11	some changes
12	RICHARD PILOSENO: Yes.
13	KATE McGRANN: what was the impetus
14	to do the changes that you mentioned there?
15	RICHARD PILOSENO: It was probably to
16	make it affordable inside that target budget that
17	we were provided.
18	KATE McGRANN: I am going to come back
19	to that in a second, but let me back up for a
20	minute. So you come on the project and your focus
21	is on the facilities design.
22	RICHARD PILOSENO: Yes.
23	KATE McGRANN: How did your work
24	integrate with others who were working on the 30
25	percent engineering piece, so people who were

1 looking at vehicles, the rail aspects? How did 2 that work all integrate? 3 So there is various RICHARD PILOSENO: 4 touch points there. When we started, there was not 5 a vehicle. Like there was no vehicle design, no б vehicle selected. So we were working with -- at 7 least part of our team was working with the service 8 requirements, the passenger demand, the headways, 9 to try and determine, you know, what the vehicle 10 requirements would be and, of course, that affects 11 platform lengths. 12 You know, the stations -- I think 13 originally in the RFP, the -- I think it was in the 14 I probably should have went back and checked. RFP. 15 You know, there was an anticipation that it may 16 be -- you know, they called it a light rail, but it 17 was something in the neighbourhood of 18 180-metre-long vehicle, which isn't really a light 19 rail vehicle. You know, it normally backs out 20 around 120 to 130. 21 So we did work on identifying, you 22 know, vehicles, lengths and capacities, which 23 adjusted station lengths, and so that is the size 24 of the station; you know, and then also alignment 25 of the stations, where they were located, whether

1	they were underground, above-ground, or elevated,
2	in a trench. So those were all integrated in
3	looking at trying to fit into the 2.1 construction
4	budget.
5	KATE McGRANN: And can you describe to
6	me the composition of the team that was working on
7	this part of the project?
8	RICHARD PILOSENO: In which regard?
9	Like the entities that were working on it from
10	CTP's point of view?
11	KATE McGRANN: Like what I am trying to
12	understand is how did the project go from where it
13	was when you arrived in October 2010 to the 30
14	percent design. So who was managing all of that
15	work and who was involved in doing it?
16	RICHARD PILOSENO: We had a very large
17	team. We had a core team of people located in
18	Ottawa.
19	KATE McGRANN: Okay.
20	RICHARD PILOSENO: As I said, some were
21	located, like myself, in the City's office. Other
22	parts of the joint venture were located in the same
23	building but not in the City's office.
24	So our Project Manager, overall Project
25	Manager, was Keith MacKenzie from STV. We had

1 several design leads. So we had Paul Beede, who 2 did the civil and the property. He was located in 3 Keith was located in Ottawa. Paul did sit Ottawa. 4 in the City's office, as did I. We had a 5 gentleman, John Murray, from Jacobs Associates who 6 was the Tunnel Lead.

7 Who else? We had a few people that 8 went through the Systems Lead, which were Ed Rose, 9 and I am blanking on my last person, but Ed Rose 10 was instrumental when we were writing the PSOS. 11 Mark Peterson, even though part of facilities, he 12 kind of managed the maintenance facility design and 13 requirements. And Joseph North was kind of the 14 Planner/Operator for the system, the train, the 15 delivery of the -- you know, the operations of the 16 system.

17 And everybody from STV -- or everybody 18 from STV. Everybody from CTP pretty much had a 19 counterpart that they reported to in the City. So 20 it wasn't an integrated team. It was a consultant 21 with the City, but they were always kind of paired 22 up with someone.

23 KATE McGRANN: Okay, which company was 24 Ed Rose working with? 25

RICHARD PILOSENO: STV.

1	KATE McGRANN: And Mark Peterson?
2	RICHARD PILOSENO: STV.
3	KATE McGRANN: Joe North?
4	RICHARD PILOSENO: STV. Oh, and I
5	mean, when Paul did manage the facilities, there
6	were several or the facilities, the civil.
7	There are several components in the civil. There
8	is the track grading, drainage, and there were kind
9	of, you know, sub-leads for each one of those
10	categories too. We had Stan McGillis from MH,
11	Morrison Hershfield, led a lot of the civil design
12	and the stormwater. Kaoru McCullough with STV was
13	with the track, along with Andy Sokol, also from
14	STV.
15	So I think that's about the whole team.
16	Obviously, there is probably a I am sure there
17	is several work charts somewhere around. I wasn't
18	unable to unearth all of them right now.
19	KATE McGRANN: That is okay. The
20	information that you have given me is very helpful.
21	And so who was your counterpart at the
22	City for the work that you were doing?
23	RICHARD PILOSENO: Peter
24	Schwartzentruber.
25	KATE McGRANN: Yes, you mentioned that

1	already, okay.
2	RICHARD PILOSENO: Yes.
3	KATE McGRANN: What work had the City
4	done to ascertain what its needs for Stage 1 of the
5	LRT system were when you joined?
б	RICHARD PILOSENO: There was obviously
7	the environmental assessment, and there was
8	another there was a project planning report, I
9	believe, yeah, the EPR, that kind of laid out where
10	they thought the stations were, what they needed to
11	connect to, where the alignment was, the passenger
12	capacity that they required, et cetera.
13	KATE McGRANN: And what does EPR stand
14	for?
15	RICHARD PILOSENO: Environmental
16	planning report. So it is part of the EA
17	assessment, environmental assessment submission.
18	KATE McGRANN: You mentioned the length
19	of the vehicle at 180 metres.
20	RICHARD PILOSENO: Uhm-hmm.
21	KATE McGRANN: I take it from what you
22	said that is longer than what an LRT or an LRV
23	would normally look like; have I got that right?
24	RICHARD PILOSENO: Yeah, typically, it
25	is longer, yes.

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1	KATE McGRANN: When you are looking at
2	a vehicle of that length, if it is not an LRV, what
3	would it be?
4	RICHARD PILOSENO: We would call it
5	heavy rail or subway.
6	KATE McGRANN: To your knowledge, was
7	there any consideration of using a heavy rail
8	approach to the City's what the City is trying
9	to accomplish with Stage 1 of the LRT?
10	RICHARD PILOSENO: Not that I am aware
11	of or that I recall.
12	KATE McGRANN: And did the 180-metre
13	length remain true? Is that what the system ended
14	up having?
15	RICHARD PILOSENO: No, it was not.
16	KATE McGRANN: What did that ultimately
17	become?
18	RICHARD PILOSENO: Ultimately, we are
19	at 90 metre 90 metre I guess two 45-metre
20	cars coupled. I think they end up being 96 metres
21	long. Station platforms are 90 metres with the
22	train being capable and the stations being capable
23	to extend another 10 metres.
24	KATE McGRANN: Could you explain to me
25	what that means?

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1	RICHARD PILOSENO: So they could we
2	have the station designs are set up so the
3	platform could be extended 10 metres, so you could
4	build 10 more metres of station, and they could put
5	a I believe it is a 15-metre module inside one
6	of the cars to make them longer to extend the
7	length of the train for more capacity.
8	KATE McGRANN: Okay, and just so I can
9	visualize what you are describing, you are
10	basically putting an insert into the middle of the
11	car to make it longer?
12	RICHARD PILOSENO: Correct. So, you
13	know, the car the trains are articulated, so it
14	can come apart, and you could take it apart and add
15	another module inside and put another articulation.
16	KATE McGRANN: Okay, and I am guessing
17	that the reason for the planning to allow for the
18	train to become the train car to become larger,
19	the platform to become larger, is to build in the
20	capacity for the system to deal with more
21	passengers, more passenger volume in the future?
22	RICHARD PILOSENO: Correct. That's
23	correct. And the underground stations were
24	actually, they were built a little bit longer,
25	because when we are digging a hole in the ground

1 underneath the city, we put an extra 10 metres in 2 there if the vehicle ever changed or -- you know, 3 just to have some flexibility in those underground 4 stations. 5 Okay, so generally KATE McGRANN: 6 speaking, the above-ground stations, you leave the 7 ability to create the additional 10-metre platform. 8 With the underground stations, you just get it all 9 done at the front end, they already have that 10 additional the 10 metres built in? 11 RICHARD PILOSENO: That's correct. 12 KATE McGRANN: I understand that this 13 wasn't your area of focus, but the vehicle design 14 would have a direct impact, I am guessing, on your 15 station design. 16 RICHARD PILOSENO: Yes. 17 KATE McGRANN: Vehicles in the stations 18 have to be able to work together. Do you know what 19 led to the change in the vehicle from the 20 originally envisioned 180-metre setup to the two 21 times 45-metre couple cars? 22 RICHARD PILOSENO: Not -- I can't 23 really speak to that, no. I mean, I have heard 24 some things, but it would all be anecdotal. 25 KATE McGRANN: Okay. I would be

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1	interested in hearing what you heard through your
2	work on the project, to the extent that you
3	remember.
4	RICHARD PILOSENO: So, I mean, one is,
5	as I said, a I don't think that a 180-metre
6	vehicle was ever studied, considered really. You
7	know, I think it was just putting together numbers
8	of passengers that you needed, and so capacity. I
9	don't know if there was ever really a study done to
10	support that.
11	So our Joe North and the vehicle team
12	went through iterations of, you know, looking at
13	the capacity that we needed to have for opening day
14	and in the future, and they looked, you know, doing
15	outreach into the industry trying to determine what
16	is available, what is common, what will work for
17	this. The width of the cars matter. The length of
18	the cars matter. You know, how many people you
19	actually design the floor space for and the number
20	of seats, and that also goes to the operator, you
21	know, what will they permit for density in the
22	trains.
23	And so all that works together to
24	figure out what kind of train you can have, and

also ties into the systems because you have to be

1 able to run at a headway, you know, the time in 2 between one train at the station until the next one 3 comes to get to the capacity. 4 It is a very complex way to determine how much train station, et cetera, that you need. 5 6 KATE McGRANN: You have used the term 7 "headway" a couple of times. What does that mean? 8 RICHARD PILOSENO: The headway is the 9 time in between trains arriving at stations. 10 KATE McGRANN: Okav. 11 RICHARD PILOSENO: So a 4-minute 12 headway would mean if you were standing on a 13 platform and you missed that train, the next train 14 should be arriving in 4 minutes. 15 KATE McGRANN: Okay, so the headway 16 could be seen as like the passenger wait time for 17 the next train? 18 RICHARD PILOSENO: The frequency of 19 train arrival, yes. 20 KATE McGRANN: Okay, so we had been 21 talking about -- sorry, did I cut you off? 22 RICHARD PILOSENO: No, I think 23 everybody froze. It is probably my network there. 24 So I just wanted to make sure I didn't miss 25 anything.

1 KATE McGRANN: All right. We had been 2 talking about the information that was available 3 about the City's needs for you to work with when 4 you first joined. So you mentioned that the 5 environmental assessment had been done. You had б access to the EPR. Was there any other information 7 available about the City's needs or that otherwise 8 would have helped define the work that you were 9 doing? 10 RICHARD PILOSENO: I am not certain, 11 but I could -- I am not certain I can identify any 12 items right now off the top of my head. 13 KATE McGRANN: And do you recall any 14 major changes to the needs or the purposes as 15 articulated by the City of what it needed from the 16 system that affected your work through the 17 preliminary design phase? 18 No, I think the -- I RICHARD PILOSENO: 19 think the needs, the requirements of the system, 20 were pretty -- stayed fairly consistent. You know, 21 the budget item, the target that we were looking 22 at, everything pretty much held the course, the 23 number of passengers that we wanted to carry. It 24 was all very steady. 25 Can you describe to me KATE McGRANN:

1	at a high level how the team that you outlined for
2	me approached the budget and how that affected the
3	work that you did on the preliminary engineering
4	piece?
5	RICHARD PILOSENO: We first started
6	looking at the budget, I think, probably more
7	in-depth after kind of our first I think our
8	first submittal, which I think was called an ISR, I
9	think, interim submittal report, you know, and we
10	started looking at the budgets and started trying
11	to consider, you know, some options of how we could
12	reduce some of the cost.
13	One of the first items that came up
14	that we didn't make was what the University of
15	Ottawa station which or Ottawa University U
16	of Ottawa station, which was campus station, was
17	initially intended to be an underground station.
18	Due to what we had discovered with the soils, the
19	soils reports, et cetera, you know, one of the
20	first things we did to approach some cost savings
21	was to, we'll say, change the vertical alignment to
22	bring that station above grade because the soils
23	were very poor, and it would have been very
24	expensive to build an underground station in that
25	location.

1 So it did -- it shortened the tunnel 2 construction and lowered whatever risk there would 3 be to building an underground there. So that was 4 like one of the first budget items that we looked 5 at. 6 KATE McGRANN: Okay. 7 RICHARD PILOSENO: They kind of changed 8 the scope from where it was, right, because it was 9 an underground station and now it is an 10 above-ground station. 11 You know, we were always looking at 12 items, how to try and, you know, make a -- still 13 provide value and make changes in any way we could. 14 We always do that. 15 We didn't get any, I think, significant 16 changes in what we thought the scope of the project 17 was probably until around -- I think it was June 18 I think that was '11, yes, where we did our 2011. 19 first comprehensive cost estimate, and we were over 20 the intended target budget, so we had some work to 21 do. 22 We looked at various things. Like at a 23 certain point we had, you know, a specific type of 24 finish on the station platforms, so we, you know, 25 had to try and roll some of that in, different

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1	types of glazing, different types of roofing
2	materials. We had certain things we had to look at
3	from the station side to reduce some cost.
4	And then I am not exactly there were
5	items that were looked at for the other
6	disciplines, but I am not really aware of what kind
7	of changes we would have you know, value-added
8	or value-engineering items that we would have done
9	there.
10	KATE McGRANN: Okay, a couple of
11	questions about the information you just shared.
12	In your experience, is it normal when you start on
13	a project, at the stage that you started here, to
14	have a budget already set in the fashion that it
15	was set on this project?
16	RICHARD PILOSENO: Yes.
17	KATE McGRANN: The first comprehensive
18	cost estimate that you put together, if I was to go
19	looking for that document, like what is the
20	document titled? How would I go about looking to
21	find that?
22	RICHARD PILOSENO: I mean, it should be
23	part of the I can't recall what the submittal
24	there was a submittal. Again, I think it was one
25	of the I mean, I get these names we called

1 them the IR -- ISRS. There is two. It would have 2 been that submittal that has that estimate in it. 3 KATE McGRANN: Do you remember --4 RICHARD PILOSENO: We could probably 5 find that. 6 Sorry, go ahead. KATE McGRANN: 7 U/T RICHARD PILOSENO: No, I said we can 8 probably find that one fairly easily, but it was 9 June 2011 that it was prepared. 10 KATE McGRANN: If you could find that 11 document and provide it to your Counsel. We'll 12 send you a note, Mr. Leong, after this interview 13 with these kinds of undertakings, but if you could 14 take a look for it and provide it to your Counsel, 15 that would be useful. 16 Sitting here today, do you remember 17 generally what the budget number coming out of that 18 first estimate was, how far beyond the 2.1 billion 19 you were? 20 RICHARD PILOSENO: I believe we were 21 close to 600 million over-budget. 22 KATE McGRANN: And then can you 23 describe to me the approach that was taken to bring 24 the project back within budget? I am going to give 25 you an example that is overly simplified, so just

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1	bear with me, to give you a sense of the kind of
2	information I am looking for.
3	Did you sit down and say, Okay, we are
4	600 million over budget. Facilities, we need you
5	to find a way to bring your work down by 200
6	million; other group, we need you to do the same
7	thing?
8	Or how was this approached?
9	RICHARD PILOSENO: Pretty similar to
10	that, yes.
11	KATE McGRANN: Okay, could you describe
12	it for me?
13	RICHARD PILOSENO: Well, we did
14	some you know, there were lots of things that we
15	did, you know, that at least from a facilities
16	point of view that, you know, are nice-to-have
17	things, aren't probably necessary.
18	So we made a decision that not every
19	station would have escalators. So escalators are a
20	tremendous cost on a project, specifically in this
21	environment, like around a million-plus dollars
22	apiece to install and weather-protect.
23	So when we had 13 stations and a lot of
24	stations had four escalators, so one was to come up
25	with a way to say we need to put escalators in

1 stations where they are higher volume, you know, 2 specific transfer stations. You know, if you are 3 going so many levels, like if you had to transfer 4 more than one level, it would have escalators. 5 So that is how we -- that was one 6 of -- that was a significant number because we 7 didn't like to do it, but it was, you know, 8 something we had to do. 9 And it was a similar thing with 10 elevators, that every station would have two 11 elevators on every platform. We did look at a few 12 stations to remove what we'll call a redundant 13 elevator, if there was an alternative means to --14 if the elevator was out, to accommodate people with 15 accessibility challenges. So that was one of them. 16 I have already mentioned the flooring, 17 some material changes, and some roof coverage 18 requirements. Like we had entire 90 metres, every 19 station, fully-covered tracks with the roof. We 20 reduced that to you then have -- you know, not 21 covering the tracks, and then at certain stations 22 shortening the amount of roof coverage because of 23 the ridership. 24 So those were kind of the items that

²⁵ were on the facilities list.

1 Okay. Who on the KATE McGRANN: 2 Capital Transit Partners side of things headed up 3 the budget-related work that was being done? Who 4 was coordinating that effort? 5 RICHARD PILOSENO: The estimating or 6 the managing, trying to adjust scope, we'll call 7 it? 8 KATE McGRANN: Both. 9 So the lead RICHARD PILOSENO: 10 estimator was Vinny Kissoon with STV, and, of 11 course, Keith MacKenzie pretty much headed up the 12 effort. 13 KATE McGRANN: Okay. 14 RICHARD PILOSENO: And along with the 15 I mean, the City was with us. We didn't do City. 16 our work in a silo. I mean, we were all in one 17 room with the City doing this work. 18 KATE McGRANN: So who would have been 19 the lead estimator's counterpart at the City? 20 RICHARD PILOSENO: That is a very good 21 question. I am not sure. 22 KATE McGRANN: And who would have been 23 Mr. MacKenzie's counterpart with respect to leading 24 up the efforts to bring things within budget at the 25 City?

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1	RICHARD PILOSENO: Gary Craig. He just
2	passed away a couple of weeks ago. He was a good
3	friend of mine.
4	KATE McGRANN: I am very sorry. My
5	condolences.
6	So you mentioned that you were all in
7	the same room, and I take that to mean both
8	literally. I know that you are embedded in the
9	City's offices, and there were other people within
10	the same building.
11	RICHARD PILOSENO: Yes.
12	KATE McGRANN: But was it also the case
13	that you were working hand in hand with your
14	counterparts at the City as you went through this
15	preliminary engineering exercise?
16	RICHARD PILOSENO: So on the cost
17	adjustments, yeah, I mean, we were literally in one
18	conference room. We might break out for a little
19	bit and come back, but we had several days, you
20	know, working on that together.
21	KATE McGRANN: Okay.
22	RICHARD PILOSENO: And all disciplines,
23	both from the City and CTP, in that conference
24	room.
25	KATE McGRANN: Okay, so I was going to

1 ask you how long that part of the work took. So 2 you mentioned a couple of days. Were you able 3 to --4 RICHARD PILOSENO: It was pretty much a 5 couple of days to kind of identify all the things 6 that we needed to look at, and then it was probably 7 another week to, you know, solidify it and talk to 8 other people to say, you know, can we do this, can 9 we not do this, because we did have other 10 stakeholders involved. 11 KATE McGRANN: Approximately when was 12 that work done? 13 RICHARD PILOSENO: That was in June of 14 2011. 15 KATE McGRANN: And then did the results 16 of that work go to someone or a group of people at 17 the City for review and sign-off? 18 Yes, I believe it RICHARD PILOSENO: 19 was -- I mean, the results of that was --20 included -- so right about at that same time was 21 the discussions with IO and how to procure the 22 project, right, so that all happened like within a 23 month. 24 So I am assuming -- I can only assume 25 that a substantial amount of that information was

1 included in the FEDCO report in July 2011. I think 2 it was around July 7th. 3 KATE McGRANN: What can you tell me 4 about IO's involvement in June of 2011? 5 RICHARD PILOSENO: I have no knowledge 6 of their involvement in June. I mean, I only know 7 that in that first, second week of July is when, so 8 this is how we are going to procure the project, 9 and that changed, you know, or at least guided our 10 path to where we went with the IO procurement 11 model. 12 Okay. So maybe taking a KATE McGRANN: 13 step back from the time frame, when did you first 14 understand that IO was becoming involved in the 15 project? 16 RICHARD PILOSENO: Probably the end of 17 June, the beginning of July, probably before the 18 FEDCO report and meeting. 19 KATE McGRANN: Okay. 20 RICHARD PILOSENO: Knowing that they 21 were going to make a decision on it. 22 KATE McGRANN: Okay, and then what 23 insight did you have into -- or what did you 24 understand IO was doing, I should say, once they 25 came on in July 2011?

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1	RICHARD PILOSENO: So, I mean, we I
2	think I was under the it was my understanding
3	that, you know, we were using their tried and
4	true procurement model of the
5	design/build/finance/maintain, which they had a
6	Project Agreement. They had certain, you know,
7	samples of how the project-specific output
8	specifications would be written, and really trying
9	to learn, you know, the true writing of how to
10	write something that is performance truly
11	performance-based without any real without using
12	things that we normally do, like people's
13	materials, right. We wouldn't normally specify
14	someone's material and say we are equal. But we
15	really didn't do that. It was really a learning
16	process, I mean, and they guided us on how to write
17	items. They actually, you know, would give us kind
18	of, we'll call them, short seminars on how to
19	write. So it was really, you know, writing, and we
20	were doing their process but using our information.
21	That is kind of how I understood it.
22	KATE McGRANN: And had you worked with
23	IO on a design/build/finance/maintain project
24	before?
25	RICHARD PILOSENO: No, no, my

1 understanding was that this was the first kind of 2 light rail vertical project that they have done. 3 KATE McGRANN: So the project-specific 4 output specifications or the PSOS work that was 5 done, were you working from precedents that IO 6 provided, or was it more they were providing you 7 with seminars and more conceptual guidance that 8 they were giving you? 9 RICHARD PILOSENO: So it was kind of 10 conceptual, but it was precedents from -- there 11 were a few. They had some other civil-type 12 projects that they used as an example. So we were 13 kind of extracting, you know, our -- because there 14 was a lot that was mostly roadway work, but we were 15 trying to put that into how we would write for 16 stations, which I think that ended up, I think, 17 fairly well, at least from a facilities point of 18 view.

And I think they did the same -- you know, did similar things with the rail and all the local roadways and bridges and structures, et cetera, you know, to make them non-prescriptive. That was the word I was looking for earlier. KATE McGRANN: So we'll talk a little bit more, I think, about the work done to put

1	together the PSOS and things like that, but before
2	we dive into that, I just want to understand, when
3	the decision is made to proceed by a
4	design/build/finance/maintain, what impact did that
5	have on the work that you were doing?
6	RICHARD PILOSENO: Well, because we
7	were I think we were probably close to complete
8	with, you know, reference concept drawings. It was
9	really writing technical requirements that would
10	semi-reflect our design but give the design builder
11	room to make improvements as they would see fit but
12	still, you know, meet the overall requirements of
13	the City.
14	So it didn't it just kind of
15	transitioned into writing the technical
16	specifications in the contract. And then we did
17	continue during that time frame to do some more of
18	what we'll call value engineering looks, one
19	of you know, we had a very substantial change,
20	which was to change the underground alignment
21	significantly that we did during that time.
22	KATE McGRANN: And when you say "change
23	the underground alignment significantly", are you
24	referring to changing the depth of the tunnel that
25	was planned as part of the system?

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1	RICHARD PILOSENO: Depth and location.
2	It was the original design is what is called a
3	cross-country alignment, so it wouldn't follow any
4	streets. It would go under buildings, et cetera,
5	which caused it to be very deep, you know, because
б	a lot of buildings have underground parking garages
7	and then you have to be a certain distance below
8	that if you are going to build a tunnel.
9	So that was one of the large larger
10	impacts on our you know, that came out of our
11	study, our estimate, you know, was to change that
12	alignment. And so we continued to be working on a
13	reference kind of design to what we call was the
14	Queen Street alignment. So it does now run
15	essentially right under Queen Street from was it
16	from Bronson or west of Bronson all the way to
17	Elgin, and then it comes off a little bit because
18	it has to get to a little curve there to get down
19	to the mall, to the Rideau Centre.
20	KATE McGRANN: Okay. Did the change in
21	the tunnel alignment, what did it do to the length
22	of the tunnel and the distance between stations in
23	that section of the line?
24	RICHARD PILOSENO: I think it changed

²⁴ RICHARD PILOSENO: I think it changed ²⁵ the length of the -- it had to change the length of

1	the tunnel because we came down and around. This
2	is more of a straight shot. It may have made the
3	stations they may have been slightly closer
4	together. I mean, I think they would have to be.
5	I can't remember where they were situated in
6	relation to each other, but the number of
7	underground stations didn't change. It was just
8	their locations.
9	KATE McGRANN: Okay. And the reason I
10	was
11	RICHARD PILOSENO: And their depth
12	KATE McGRANN: Sorry, go ahead.
13	RICHARD PILOSENO: And their depth was,
14	you know, reduced greatly with this change.
15	KATE McGRANN: The reason that I was
16	asking about whether it changed the length of the
17	tunnel is that I am trying to understand what the
18	implications of the tunnel changes were for other
19	aspects of the project. So, for example, you know,
20	did it have an impact on the headway? You know,
21	were the stations farther apart such that now you
22	have got to do something to ensure that you are
23	getting the train frequency that you need? Any
24	other implications from the change in alignment
25	that you can think of?
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1 RICHARD PILOSENO: I don't recall any 2 impacts on the headway. I mean, the major impacts 3 were the length of the tunnel, the depth of the 4 tunnel, which, as I said, you know, with 5 escalators, that also -- you know, we were -- off 6 the top of my head, I think we were somewhere in 7 the 70-metre deep stations, which is very deep and, 8 you know, with banks of escalators, you know, back 9 and forth, back and forth, back and forth to get 10 there, which, you know, excavation, escalators, all 11 kinds of cost savings with the outline of Rideau 12 Street -- or Queen Street, sorry. 13 KATE McGRANN: And you said that that 14 change to the tunnel depth and alignment came a bit 15 later in the process. Do you recall approximately 16 when that change was brought in? 17 RICHARD PILOSENO: I mean, we 18 determined that and got approval for that change, I 19 believe, before we issued the first -- before we 20 opened procurement, which would have been, you 21 know, September or October of 2011. 22 KATE McGRANN: Okay. 23 RICHARD PILOSENO: I think that was in the original. 24 25 Just so that it is clear KATE McGRANN:

1	on the transcript, when you refer to opening
2	procurement, were you referring to the release of
3	the RFP?
4	RICHARD PILOSENO: Correct, correct,
5	which I believe was the end of October. I think
6	October like October 25th, I think, was the
7	first release of it when it was given to the
8	proponents, yes.
9	KATE McGRANN: I am going to ask for a
10	short break, five minutes. So can we go off the
11	record, please.
12	[Discussion Off The Record.]
13	RECESSED AT 10:08 A.M.
14	RESUMED AT 10:15 A.M.
15	KATE McGRANN: Before the break, we had
16	been discussing some changes to the tunnel depth
17	and alignment as part of some value engineering
18	work that was being done, and that work was done I
19	think after the first I want to say after the
20	first budget submittal. We have referred to an
21	IRSR or ISRS.
22	RICHARD PILOSENO: Yes.
23	KATE McGRANN: But can you just help me
24	ground in time when that tunnel alignment work was
25	done with respect to that budget document that we

1 are talking about? 2 RICHARD PILOSENO: So that work would 3 have been -- the budget or the estimate was 4 performed in the middle of June or near the end of 5 The Queen Street alignment option that we June. б looked at was performed July/August/September of 2011, so just following, on the heels of that 7 8 budget, because it was, you know, one of the items 9 to look at. But of course, we couldn't, you know, 10 put that all together. We knew it would save 11 money, so we had an estimate of how much it would 12 save by saying we are taking out this many 13 escalators, shortening, et cetera, but we had to 14 actually do a reference concept, you know, to show 15 that it was a possibility, you know, to be able to 16 design it in that fashion, design and construct it 17 in that fashion. 18

KATE McGRANN: Okay.

19 RICHARD PILOSENO: So we did that 20 concurrently with writing the PSOS in the Project 21 Agreement.

22 KATE McGRANN: Were there any other 23 changes made along the same lines as the tunnel 24 alignment to try to achieve cost savings during the 25 summer of 2011?

1	RICHARD PILOSENO: I don't recall. I
2	mean, we did the tunnel alignment, which was two
3	pieces. It was the Queen Street in and a slight
4	turn to Rideau Street also. No, I can't think of
5	anything specifically or major other than what was
6	discussed, you know, in the June meetings.
7	KATE McGRANN: Okay. The June
8	meetings, were there agendas put together for those
9	meetings?
10	RICHARD PILOSENO: I don't recall.
11	KATE McGRANN: Okay.
12	RICHARD PILOSENO: I don't
13	KATE McGRANN: Do you know if anyone
14	was tasked with taking minutes of those meetings?
15	RICHARD PILOSENO: I don't recall.
16	KATE McGRANN: Do you know if any other
17	records were generated from those meetings, to-do
18	lists, action items, proposed schedules, anything
19	like that?
20	RICHARD PILOSENO: I don't recall off
21	the top of my head, no.
22	KATE McGRANN: I think you mentioned
23	before our break that the work done to change the
24	tunnel depth and alignment was done before the
25	first RFP release; have I got that right?

1	RICHARD PILOSENO: Correct, before the
2	beginning of the open period, yes.
3	KATE McGRANN: And when you say the
4	first RFP release, that leads me to want to ask,
5	were there subsequent releases of the RFP? Like
6	why did you say the first RFP release?
7	RICHARD PILOSENO: Well, there were,
8	through the process, you know, in response to
9	information requests from the proponents, from
10	various what they call confidential commercial
11	confidential meetings, you know, with discussions
12	with the proponents about language in the Project
13	Agreement or language in the PSOS that needed to be
14	addressed that they didn't agree with or I mean,
15	there are several processes that go in during the
16	procurement, and so there were amendments to the
17	RFP and the PA, you know, throughout the project.
18	I am not exactly sure how many. I believe we did
19	maybe somewhere around 20, 21 amendments.
20	KATE McGRANN: Okay. So shifting the
21	focus to the I'll call it the procurement
22	period, but post the first release of the RFP,
23	could you just describe to me a little bit more
24	about what your role was during this time?
25	RICHARD PILOSENO: So during that time,
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I would respond to requests for information from
 the proponents. So if they had questions about the
 language, you know, what did you intend for this or
 this conflicts with this, so it was responding to
 the RFIS.

6 At that same -- I think at the same 7 time there were probably some reviews from internal 8 people from the City that weren't actually part of 9 what was the Rail Implementation Office at that 10 time that we may be making some modifications due 11 to their input. I think there was some of that 12 also from OC Transpo, because they got more deeply 13 involved after this -- after the procurement model 14 type was chosen, so there were some things to work 15 on with them that, you know, may have ended up in 16 some cases to be an addendum, an amendment to the 17 contract that we were working on.

18 Also, it was to participate and prepare 19 checklists for what they call DPMs, which were 20 design presentation meetings. So the proponent 21 had -- each proponent had, you know, a specific 22 amount of time, sometimes it was an entire day, to 23 present with their process, where they were at, and 24 we wanted to see how they were progressing on their 25 And it would give us -- we would go designs.

1 through the PA, and we would have a checklist of 2 items that we wanted them to present to ensure that 3 they were -- you know, the way they were 4 progressing we thought was conformant with the 5 So we would sit in these. We would go to project. their presentations. We would have their 6 7 documentations. We would review it and then give 8 them feedback as to whether we thought what they 9 were proposing was conformant with the project 10 requirements or not. 11 KATE McGRANN: Okay. 12 RICHARD PILOSENO: So that was -- those 13 were the main tasks pretty much through the design 14 as well as trying to -- we would interface with 15 some of the external stakeholders such as the NCC 16 and the Urban Design Review Panel to keep them 17 abreast of where we were, how we were progressing, 18 and any input that we would need to get from them. 19 KATE McGRANN: Okay. In terms of how 20 the proponents interacted with the City and its 21 advisors throughout the procurement phase, I 22 understand that they interact through requests for 23 information or RFIs. 24 RICHARD PILOSENO: Yes. 25 And they interact KATE McGRANN:

1	through the design presentation meetings.
2	RICHARD PILOSENO: Correct.
3	KATE McGRANN: Any other modes in which
4	the proponents could interact with the City through
5	the procurement phase?
6	RICHARD PILOSENO: Yeah, it would be
7	the CCM, which is a commercial confidential
8	meeting, and there would be there was also some
9	other meetings, I think, with the procurement
10	more just with the procurement people, not
11	necessarily technical staff, that were similar to
12	a CCM, but they would pretty much have they
13	would have all three proponents at the same time in
14	them.
15	KATE McGRANN: Oh, like a panel meeting
16	almost?
17	RICHARD PILOSENO: Yeah, yes. And I
18	think they called those those were some ad hoc
19	meetings.
20	KATE McGRANN: Okay. With respect to
21	the RFIs, first of all, I gather that there is no
22	schedule applicable to those? The proponents can
23	engage in a request for information at any point as
24	needed; is that fair?
25	RICHARD PILOSENO: Yes, up until a
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1	certain date. There was a date where we said, you
2	know, we can't respond to an RFI, because if you
3	give us an RFI and we need to make a change to the
4	PA, it will be a never-ending circle, that we won't
5	be able to say you are done on this date.
6	So there was a cutoff date. I can't
7	recall, you know, how close it was to the date that
8	they had to submit proposals.
9	KATE McGRANN: Okay.
10	RICHARD PILOSENO: You know, we were
11	there was also a date where we said this is the
12	last day that we will issue an amendment or an
13	addendum because they need to get their work done
14	to get us a submission. So that would all be laid
15	out that is all laid out in the contract
16	somewhere. I don't recall the dates and the time
17	frame.
18	KATE McGRANN: Who managed the RFI
19	process? Who received the requests and determined
20	who they would go to for a response and things like
21	that?
22	RICHARD PILOSENO: That would be
23	someone in our procurement team. I am not I am
24	not sure exactly who that would have been.
25	KATE McGRANN: With respect to the

1 design presentation meetings, was there a pre-set 2 schedule for those, or -- I mean, were they set at 3 predictable intervals so that the proponents would 4 know, okay, we have got three DPMs three months 5 apart kind of thing? We have got to prepare for 6 them and all of that kind of thing? 7 RICHARD PILOSENO: Yes, and they had 8 specific topics too. So those were all -- you 9 know, would already have been laid out in the RFP 10 that said, you know, DP-1 is 'x', you know, and 11 DP -- I think, you know, from memory, like DPM-4 12 was stations, DPM-5 were NCC stations, so they were 13 broken into different -- the facilities were broken

¹⁴ into different groups.

15 KATE McGRANN: Did the DPMs factor into 16 the evaluation ultimately of the proponents?

17 RICHARD PILOSENO: Not -- they were 18 never revisited, but you did -- I mean, it gave 19 you -- it gave everyone, you know, an idea of where 20 they were going. So we kind of -- I would say we 21 thought we knew what we would be expecting to see 22 when they submitted, and that is the whole point, 23 to make sure that we -- that they have -- they are 24 on the right track and they provide us with a 25 conformant submission, which, as I understood, was

1 that is the purpose of the DPMs. 2 So it didn't really factor in directly 3 to the evaluation, no. 4 KATE McGRANN: And then with respect to 5 the CCMs -- and those are commercially confidential 6 meetings, have I got that right? 7 RICHARD PILOSENO: Correct. 8 KATE McGRANN: How were those 9 scheduled? Were they set out ahead of time with 10 specific topics like the DPMs or were they 11 different? 12 RICHARD PILOSENO: There were scheduled 13 CCMs. I don't recall what they were regarding. Т 14 am certain some of them were about the Project 15 Agreement, you know, and on and on. And then there 16 were ad hoc CCMs. 17 There were -- there was some CCMs where 18 we had with some private owners about an approach 19 for integrated entrances. So we had owners who 20 were considered wanting to have an entrance on 21 their property, and we would -- we had a meeting 22 with them to ask each proponent, you know, how they 23 would approach this type -- because we didn't want 24 to do a design. We wanted them to have some input 25 because it wasn't a PA requirement. We asked for

1 their input on how best to do this and what would 2 work for each one of their designs. And the reason 3 why it is commercially confidential is because each 4 of where the integrated entrances are, you know, 5 all the tunnelling options were different between 6 the contractors and would have various impacts on 7 integrated entrances. 8 So that was kind of the purpose of a 9 CCM, as an example, that I was involved in. 10 KATE McGRANN: With respect to the ad 11 hoc CCMs, was it the case that they could be 12 scheduled at the request of the City and its 13 advisors when there was a need identified for one? 14 RICHARD PILOSENO: Yes, or the 15 proponents could also ask for a CCM. 16 KATE McGRANN: Okay, and that was going 17 to be my next question. To your recollection, did 18 the proponents request ad hoc CCMs? 19 RICHARD PILOSENO: I can't -- I don't 20 recall for sure. 21 KATE McGRANN: Okay. You'll have seen 22 that another person has joined the meeting. That 23 is a colleague of mine from the Commission. Ms. 24 Murynka has just joined the meeting, just so you 25 know who she is.

1 You mentioned that after the first 2 release of the RFP there were some additional 3 reviews from the City. I take it that those people 4 were in coming from outside of the team that had 5 worked on the preliminary engineering and the drafting of the RFP? 6 7 RICHARD PILOSENO: Correct. 8 KATE McGRANN: Who from the City was 9 engaged in those post first RFP release reviews and 10 modifications? 11 RICHARD PILOSENO: As I said, I mean, 12 OC Transpo was part of that additional, additional 13 people from OC Transpo, additional resources, 14 looking at different items. You know, when we 15 change, when we modify kind of the alignment, I 16 think there was also - and this is speculation -17 there was probably some input required from 18 traffic, some other people, traffic, utilities, 19 because those items would be impacted from some of 20 the things that we were proposing to change. 21 You know, we did our work during PA, 22 during development of the PA -- PE with them, but 23 when we made the change -- you know, when we make 24 changes to the contract, we would need to review 25 certain things with those people, with those staff

1	members.
2	KATE McGRANN: Okay, and just so that I
3	can be sure that your answer is clear on the
4	transcript, I think you said you did your work in
5	the development of the PE, so that is preliminary
6	engineering?
7	RICHARD PILOSENO: Yes.
8	KATE McGRANN: And then you mentioned
9	when there would be changes to the PA, and that is
10	the Project Agreement?
11	RICHARD PILOSENO: Yes, during
12	procurement, we would also go back and discuss with
13	those stakeholders changes that we are making,
14	because we didn't want to change the PA without
15	their knowledge.
16	KATE McGRANN: Do you remember, sitting
17	here today, if there were any changes that you
18	sought to make to the Project Agreement that were
19	ultimately not made?
20	RICHARD PILOSENO: Not that I am aware
21	of, no.
22	KATE McGRANN: You speak a little bit
23	about the role of OC Transpo, so what was OC
24	Transpo's role in the preliminary engineering work?
25	RICHARD PILOSENO: They were not

1 involved very -- in very much depth, at least, you 2 know, on the facilities. They weren't really 3 integrated into the team. So they were a reviewer, 4 but they were not integrated into the team I quess is the -- there was a staff member from OC Transpo, 5 6 I believe, in the Rail Implementation Office. 7 KATE McGRANN: With respect to the 8 review role that OC Transpo had in the preliminary 9 engineering work, were there any particular aspects 10 of the preliminary engineering work that you 11 understood them to be working on or focussed on? 12 RICHARD PILOSENO: No, not really. 13 And then, I take it, KATE McGRANN: 14 there was a change in OC Transpo's role after the 15 preliminary engineering work was done; is that 16 right? 17 RICHARD PILOSENO: Yeah, I think part 18 of, you know, the procurement process and the 19 procurement decision, knowing that -- the design 20 builder and they were maintaining it, you know, 21 brought OC Transpo much closer into needing to 22 integrate with the team and the understanding of 23 the project because they were ultimately the 24 operator of something that someone is going to 25 design for them, build for them, and maintain it.

1	So they then became much more involved in the
2	project following that decision in July.
3	KATE McGRANN: To the extent that
4	you can, can you help me understand why moving
5	from a design and build approach to a
6	design/build/finance/maintain approach would lead
7	to more involvement by OC Transpo in the
8	procurement phase?
9	RICHARD PILOSENO: Well, I mean, if we
10	continue to do a more detailed design/build package
11	release after July, what I I think that the
12	main I think the main involvement or concern
13	would be that they weren't maintaining that system.
14	So I think they would have to have just
15	as much involvement as a regular design/build if
16	they were operating and maintaining it, but I think
17	it is just that decision was made that is the
18	way it was moving forward. So I think when you
19	write performance as I said, because it could
20	have been a design/bid/build which would have been
21	very prescriptive. I think at that point when that
22	decision was made and we knew how we were moving
23	forward, it was just really the time for them to
24	get involved.
25	KATE McGRANN: Okay. So the trigger,

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1	if you will, for OC Transpo's increased involvement
2	was the decision on the delivery model?
3	RICHARD PILOSENO: Yeah, yes.
4	KATE McGRANN: Was it unusual in your
5	experience that OC Transpo was not involved in the
6	preliminary engineering?
7	RICHARD PILOSENO: Well, I mean, they
8	were involved. It was just not really a deep,
9	deep, deep involvement. As I said, they did have a
10	staff member in the Rail Implementation Office.
11	You know, it varies, right. I mean, it
12	varies by agency how much involvement that they do
13	put in in preliminary engineering.
14	KATE McGRANN: And just to make sure
15	that I have got this right, the question of who
16	would be maintaining the system was an open
17	question until the delivery model was selected; is
18	that right?
19	RICHARD PILOSENO: Correct. I believe
20	so. That is my understanding, yes.
21	KATE McGRANN: With respect to the
22	operation of the system, was that also an open
23	question until the delivery model was selected?
24	RICHARD PILOSENO: I am not sure. It
25	may have been.

1 Okay. And then once the KATE McGRANN: 2 delivery model is selected, what did OC Transpo's 3 involvement in the procurement phase look like? 4 RICHARD PILOSENO: So they were 5 involved in reviewing -- I believe they reviewed 6 the Project Agreement. They gave us comments on 7 the Project Agreement and the PSOS. They 8 participated in the design presentation meetings. 9 They were an active participant. 10 KATE McGRANN: Any changes to the PSOS 11 resulting from OC Transpo's review and engagement 12 with those materials? 13 RICHARD PILOSENO: Yes. 14 KATE McGRANN: Okay, and what changes 15 do you recall? 16 RICHARD PILOSENO: There was a specific 17 list of items that they wanted addressed. I really 18 can't recall any of the specifics other -- I mean, 19 one was, you know, an examination of the number of 20 bus platforms and bus lay-bys that we needed at 21 specific stations. That is one that I do recall. 22 KATE McGRANN: When you say there was a 23 list, are you referring to an actual physical list 24 that we could go and find, or is that more like a 25 concept, they had several things that they wanted

1 you to look at? 2 RICHARD PILOSENO: I think there is 3 probably a list that -- an actual list, a table, at 4 least from the station facilities portion. I am 5 not sure about the other disciplines, I quess. Ι 6 have to make -- in most cases I am talking 7 particularly about facilities and stations, not 8 overarching items. 9 KATE McGRANN: Okay. And then arising 10 out of the interactions with the proponents, were 11 there any changes to the PSOS that came out of 12 those exchanges? 13 RICHARD PILOSENO: There would have 14 been out of CCMs sometimes because they -- but the 15 intent was not and I don't think any times the 16 intent was not to change -- make a change to the 17 PSOS to help or based on a proponent's design. Ιt 18 was generally and always independent of what they 19 present because it would provide an unfair 20 advantage if that was done. 21 KATE McGRANN: So I understand that you 22 couldn't and wouldn't in a fair process change the 23 PSOS in response to a specific performance design, 24 but I could imagine that more generally, based on feedback received from one or more proponents, a 25

1 change could be made to the PSOS to address an 2 issue identified with whether an aspect of the PSOS 3 is actually workable or is aimed at getting the 4 City what it needs. 5 Is what I am saying making any sense to 6 you, first of all? 7 RICHARD PILOSENO: Yes, and generally 8 if those came up during a design presentation 9 meeting, we would ask them to submit an RFI so that 10 that change would go to all the proponents. 11 KATE McGRANN: Okay. 12 RICHARD PILOSENO: Now, there was a 13 process that is a confidential RFI, and that was 14 generally submitting a question about something 15 that they wanted to do to interpret, again, before, 16 if it wasn't at a DPM, to say if this is what we 17 are intending to do, is this conformant with the 18 PA, and they would do that as a commercially 19 confidential RFI so that their idea wasn't, you 20 know, broadcast to all of the proponents. And in 21 all cases, the procurement team reviewed those to 22 qo, no, this is not -- if you want to ask this 23 question, you need to send it as a regular RFI 24 because everyone needs to know. 25

So there was a process, a fairness

1 process in there. 2 KATE McGRANN: Okay. Just speaking 3 generally, you know, we have talked about whether 4 there were changes to the PSOS as a result of OC 5 Transpo's involvement. Were there other changes 6 made to the PSOS through the period that the 7 procurement was open? 8 RICHARD PILOSENO: Yes. 9 And can you describe to KATE McGRANN: 10 me what you remember those changes being? 11 RICHARD PILOSENO: I mean, some of them 12 may result in as we are looking at the PA and the 13 PSOS, trying to review the proponent's submission 14 from a DPM or an RFI, we would find an error in our 15 language not necessarily even related to their 16 question, but you are just reading -- you know, you 17 read the contract and, well, you know, that 18 language is incorrect and that could be a change. 19 There were -- I mean, there was one I 20 will say significant change that occurred due to 21 the relationship issues with the NCC where we were 22 looking to have approval on our designs for several 23 stations and the approval was not provided. So we 24 opened up the station designs to be more consistent 25 with the entire line as opposed to specifically

1 towards the -- geared towards NCC stations. That 2 was a significant change in the PA for us. 3 KATE McGRANN: I'm sorry, and what does 4 NCC stand for? 5 RICHARD PILOSENO: National Capital б Commission. And these were stations that are 7 located on or near federal lands where we needed to 8 have, you know, a property agreement with them for 9 use of the lands, through the FLUDTA. 10 KATE McGRANN: Any other significant 11 changes to the PSOS that you remember being made 12 during the procurement phase? 13 RICHARD PILOSENO: T believe we added 14 in the open procurement phase an integrated 15 entrance, and we realigned again, re-realigned, the 16 underground station to take a portion of it to 17 Rideau Street on the east end. 18 Those were two, I think, significant 19 changes from my point of view from facilities. 20 There may have been some others, either with 21 systems, vehicles, structures or alignment, but I 22 am not aware of those. 23 KATE McGRANN: To your recollection, 24 were there any changes to the PSOS that were sought 25 to be made that were not ultimately made, that your

1 team wanted to make that were not ultimately made? 2 RICHARD PILOSENO: Not that I am aware 3 of. 4 KATE McGRANN: With respect to the 5 evaluation of the responses to the RFP, what was 6 your role in that work? 7 RICHARD PILOSENO: So I was the -- I 8 quess call it with Peter Schwartzentruber the Lead, 9 we call it, Compliance Reviewer. 10 So I reviewed each of the submittals 11 myself for conformance with the PA, and then also I 12 had other -- we had other subject matter experts, a 13 structural engineer, mechanical, electrical, civil, 14 landscape, who also looked at those, and part of my 15 role was not only to do the conformance review but 16 was to compile and confirm the SMEs that were in my 17 discipline in the facilities, confirm that their 18 reviews were what we'll say accurate. Like if they 19 said something was non-conformant, you know, we 20 would go to check and see, try and evaluate if it 21 was non-conformant, or go back to them and talk to 22 them why they thought it was non-conformant before 23 we issued a final, quote, "list" of 24 non-conformance. 25 Okay, a couple of KATE McGRANN:

1 questions about that. You referenced SMEs. Is 2 that capital S-M-E, subject matter experts? 3 RICHARD PILOSENO: Yes, ma'am, sorry. 4 KATE McGRANN: And so was it the case 5 that you would receive any aspects of their 6 evaluation that touched on your area of expertise 7 and then they would then receive aspects of your 8 evaluation that touched on theirs, and everybody is 9 performing a sort of second review on other's 10 comments with their area of designation or ... 11 No, generally I was RICHARD PILOSENO: 12 just reviewing theirs to confirm. Most of the --13 it was more just a double-check on their 14 information and then also, you know, my kind of 15 we'll call them -- my checker was, you know, Peter 16 Schwartzentruber, also reviewed the documents, and 17 then we kind of combined and compared all of our 18 comments into the final facilities review document. 19 So I was the Lead for the JV CTP. He 20 was the City Lead. So like I said, we weren't an 21 integrated team, so I would give my information to 22 him. 23 KATE McGRANN: Okay. And so you in 24 this role are reviewing for the responses for

²⁵ compliance with the PSOS and the Project Agreement

1 requirements; is that right? 2 RICHARD PILOSENO: Yeah, for specific 3 to station facilities, I think it was Part 5 for 4 this contract, 15-2, Part 5. 5 KATE McGRANN: Is this compliance 6 review separate and apart from the concept of 7 scoring the responses to the RFP? 8 RICHARD PILOSENO: Yes. 9 KATE McGRANN: Did you have any 10 involvement in the scoring of the responses to the 11 RFP? 12 No, you couldn't do RICHARD PILOSENO: 13 That was part of it. You could not do both. both. 14 And there was no -- like no communication between 15 the evaluators - they were evaluators, I believe 16 they were called - and the conformance or 17 compliance review. 18 KATE McGRANN: Do you remember the 19 names of the other subject matter experts that were 20 working on the compliance review along with you? 21 RICHARD PILOSENO: Like for the station 22 facilities or the other disciplines? 23 Both. KATE McGRANN: 24 RICHARD PILOSENO: So I would have 25 had -- electrical, I would have had a gentleman

1 Structural, I believe, was -- it Sharl Melamed. 2 might have been -- it was James Dixon or George 3 Paul Vincent also did an architectural Yin. 4 review. Bruce Zhan did mechanical. 5 You know, I can't -- my landscape urban 6 design reviewer, which was also under my purview, 7 was Martha Lush or Steve Sunderland. T can't 8 recall who was involved at that time. 9 And then Mark Peterson from STV did 10 the -- I quess I should say who those folks were. 11 So Martha Lush and Steve Sunderland are from Corush 12 Sunderland Wright. They were our landscape 13 partner. 14 I am trying to think if I had anybody 15 else in the facilities. There were -- I think 16 there were a few more mechanical and electrical 17 folks from STV that reviewed information for Mark 18 on the maintenance facilities. 19 And then our other reviewers from other 20 That is disciplines were Ed Rose, Paul Beede. 21 about -- from CTP point of view, that is all I 22 recall. 23 Okay. And I understand KATE McGRANN: 24 that you weren't involved in the evaluation at all, 25 by virtue of your work on the compliance review and

1 otherwise, but based on what you saw, was there any 2 surprise to you that RTG was selected as the 3 successful proponent? 4 RICHARD PILOSENO: No. They -- no. 5 KATE McGRANN: Okay. And I am about to 6 shift my area of focus from the RFP process and 7 evaluation over to your work as Facilities Lead for design review in 2012, but before I do that, I just 8 9 want to check in with my colleague, Ms. Murynka. 10 Did you have any follow-up questions on any of the 11 questions that I asked on the procurement piece? 12 DANIELLA MURYNKA: I would check the 13 spelling of certain names if we could, but other 14 than that, those would be my questions. 15 So you mentioned a Peter --16 KATE McGRANN: Can I just interrupt you 17 for a second, Ms. Murynka. The court reporter is 18 going to take care of the spelling questions at the 19 end of the interview after we go off transcript. 20 DANIELLA MURYNKA: No, then that is 21 perfect. 22 KATE McGRANN: All right. So moving 23 swiftly along then, after close of the RFP and the 24 selection of the successful proponent, did you have 25 any involvement in the negotiation of the Project

1 Agreement? 2 RICHARD PILOSENO: Yeah, yes, I did. 3 KATE McGRANN: Would you please 4 describe to us what your involvement in that was? 5 RICHARD PILOSENO: So my role during 6 that phase was, when we did our compliance review 7 or our compliance evaluation, there were 8 non-conformances or non-compliances - I can't 9 remember what we called them on that contract -10 that they had to agree to bring those into 11 conformance. 12 And there were some items that were 13 what are called an observable where we needed more 14 information to determine if their solution would 15 indeed be conformant or not. 16 So the majority of the work was working 17 with RTG, what was called -- at that time they were 18 called the FNP, right, the first negotiating 19 proponent, was to work with their designers on our 20 non-conformances, get information back from them, 21 review it with them, you know, and evaluate it 22 again for, you know, if that would be a sufficient 23 solution to bring it into compliance. 24 We also, I believe, were working on 25 with them an integrated entrance solution for the

1 Rideau Centre, that we worked, you know, kind of 2 doing workshops with them and then reviewing their 3 design and trying to come to a solution how we can 4 get that integrated in language in the PA that may 5 need to -- that would need to be added to make that 6 solution viable and conformant. 7 So that was another aspect. So it was 8 really around conformance and, you know, that 9 one -- I think the one small change of the 10 integrated entries. Well, a big change, but... 11 KATE McGRANN: And your work during 12 this part of the project, negotiation of the PA, 13 still focussed on facilities design? 14 RICHARD PILOSENO: Yes. 15 KATE McGRANN: And so would you have 16 had -- there were people in a similar role to you 17 looking at different aspects of the project? 18 RICHARD PILOSENO: Correct. 19 KATE McGRANN: And would it have been 20 the same people who were doing the compliance 21 evaluations of the RFP responses, did they continue 22 on to then work on the PA negotiations, or were 23 there changes to that lineup? 24 No, it would have RICHARD PILOSENO: 25 been the same subject matter experts, and possibly

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1	at that point in time I think then some of the
2	evaluators, because they were some of them were
3	leaders of our group, as Keith MacKenzie, I
4	believe, was an evaluator, so he would have been
5	involved in these discussions also. You know, so
6	the evaluators would have got back into it.
7	KATE McGRANN: Any major snags or
8	obstacles that you recall encountering in the
9	negotiation phase in terms of the PA?
10	RICHARD PILOSENO: No, not that I am
11	aware of.
12	KATE McGRANN: And then following the
13	finalization of the PA, how did your role change?
14	RICHARD PILOSENO: So at that point, it
15	kind of semi-diminished as that I was not located
16	in Ottawa anymore, I was back in my home office,
17	and I would not have been was not working on the
18	project full-time. It was only when either RFIs
19	would come in or design review submissions would
20	come in that I would be involved.
21	KATE McGRANN: And you were in the role
22	of Facilities Lead for design review from 2012 to
23	2014, and then I think you continued in that role
24	with additional responsibilities beyond that point;
25	is that right?

1	RICHARD PILOSENO: Correct. Correct.
2	KATE McGRANN: To the extent that you
3	can in the 2012 to 2014 period, can you give us a
4	sense of how much of your work time is devoted to
5	your work on Stage 1 of the LRT?
6	RICHARD PILOSENO: You know, it would
7	vary based on those submissions. As I said, you
8	know, it was probably, I would say, around 50
9	percent maybe.
10	KATE McGRANN: And I just want to
11	understand how the RFI process worked once the
12	project was underway. How did you receive requests
13	for information? How were they sent to you?
14	RICHARD PILOSENO: So I would get a
15	request to review or, you know, to respond or to
16	comment on an RFI would come from Peter
17	Schwartzentruber. Generally it would come from
18	Peter Schwartzentruber. Rarely, but on some you
19	know, it would come from another of the City's
20	design leads or, I guess, discipline leads. But in
21	general, it was Peter Schwartzentruber and then
22	later on Rajan Shrichand.
23	KATE McGRANN: And then the work that
24	you would do to respond to these requests for
25	information, was it subject to City review and

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1	sign-off?
2	RICHARD PILOSENO: Oh, yes, everything
3	was.
4	KATE McGRANN: And who were you
5	reporting your work back to? Who was involved in
6	the review and sign-off of your work?
7	RICHARD PILOSENO: Peter
8	Schwartzentruber and Rajan Shrichand.
9	KATE McGRANN: Were there any was
10	there any means of categorizing the importance of
11	the RFI with respect to, you know, the
12	construction-critical path or other timelines or
13	deadlines or its impact on other aspects of the
14	project? So were some categorized as urgent, you
15	know, for example?
16	RICHARD PILOSENO: No, not really,
17	unless I mean, some of the RFIs, the contractor
18	or the design builder or ProjectCo, however we want
19	to refer to them, would, you know, try to
20	categorize it as urgent or I think there was
21	a I think the PA may have contained a number of
22	working days that the response was required by, I
23	believe.
24	KATE McGRANN: Okay. And beyond the PA
25	requirements for response times, were there any

1 expectations put in place with respect to your work 2 on these RFIs in terms of response times? 3 RICHARD PILOSENO: I don't recall. I 4 don't recall. 5 KATE McGRANN: And do you recall at any б point during your time working as Facilities Lead 7 for design review, you know, up until 2014 or 8 afterwards, where there was a delay that you recall 9 either in getting a response together or in getting 10 sign-off from the City on a response to an RFI? 11 RICHARD PILOSENO: No, I don't recall 12 anything specific, no. 13 KATE McGRANN: With respect -- so we 14 talked about RFIs. You also mentioned design 15 reviews. Can you explain to us what design reviews 16 are in the context of the construction of the 17 project? 18 RICHARD PILOSENO: So the PA required 19 submission of the proponent's design -- or sorry, 20 DBCo's, ProjectCo's design submittals of what they 21 intend to build, and the PA required -- had certain 22 requirements for each submittal, which was 23 contained in Schedule 10. There were generally --24 I believe there were four submittals that they were 25 required to do, which was a Pre-Final Final Design,

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1	so a PFDD, Pre-Final Design Development, a Final
2	Design Development, a Pre-Final Construction
3	Document, and a Final Construction Document
4	submittal. So I believe there were four submittals
5	in the facilities section. I believe Peter and
6	ProjectCo negotiated out one of the construction
7	document submittals, so we only had three.
8	KATE McGRANN: So when you say they
9	negotiated it out, it was removed as a requirement
10	from the PA, the Project Agreement?
11	RICHARD PILOSENO: Yes.
12	KATE McGRANN: Do you remember
13	which
14	RICHARD PILOSENO: I go ahead,
15	sorry.
16	KATE McGRANN: I was going to say do
17	you remember which of the four stages you described
18	was removed?
19	RICHARD PILOSENO: I believe it was the
20	Pre-Final Construction Document submittal.
21	KATE McGRANN: And to the extent you
22	can, can you just give us a brief description of
23	the purpose of each of those four documents, so the
24	Pre-Final Design and onwards?
25	RICHARD PILOSENO: Pre-Final Design

1 Development would be -- in a traditional 2 architectural- or facilities-type construction 3 would be something that is called like a schematic 4 design, so kind of just -- a little bit more than 5 the concept design, kind of give you an overall б feel of how the building is going to look, where 7 items are going to be, you know, generally the 8 look, the feel, and the arrangement of all the 9 components.

10 Design Development is -- pretty much it 11 expands on that or the final, what we call the FDD, 12 the Final Design Development. It expands on that, 13 and it kind of includes every item that should be 14 part of the project. It may not be detailed, so 15 somebody doesn't know how to -- you wouldn't be 16 able to, quote "build it", but you would know there 17 was a trash can in this location, or there is a 18 room over here and it contains all of the 19 mechanical equipment, et cetera.

And then that Pre-Final Construction
 Document is really just a -- would be like a
 progress submittal of making sure that nothing
 changed from your -- when you started doing
 construction documents, making sure that nothing
 changed from your Final Design Development Document

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1	so that there would be no surprises when you had a
2	Final Construction Document.
3	And then the Construction Documents are
4	what they, you know, sound like they are. They are
5	for they are final. This is what the contractor
6	is going to build from.
7	So that would be, you know, the purpose
8	of all four of those.
9	KATE McGRANN: Okay, and were you
10	involved in reviewing for your area the three
11	documents that remained as a requirement, providing
12	feedback and comment to the City?
13	RICHARD PILOSENO: Yes. Yes. And as
14	well, I would distribute I was responsible to
15	distribute to my other, quote, "disciplines" in the
16	facilities and compiling, again, all of the
17	comments in trying to ensure that their comments
18	were conformance or compliance comments and not
19	engineering preference, et cetera, before we
20	returned them to, again, Peter Schwartzentruber and
21	Rajan Shrichand for the final compilation.
22	KATE McGRANN: With respect to the
23	negotiation of the removal of the pre-final
24	construction piece of these four documents, do you
25	know when the negotiations to remove that

1	requirement were completed?
2	RICHARD PILOSENO: I don't recall.
3	KATE McGRANN: Do you know why that
4	requirement was removed?
5	RICHARD PILOSENO: I wasn't really
6	involved in the discussion. I am not exactly sure.
7	I can't say why it was removed.
8	KATE McGRANN: And over what period of
9	time were these plans reviewed by you?
10	RICHARD PILOSENO: Probably beginning,
11	you know, in mid to late 2013 to well, until
12	I mean, we were still getting documents to review
13	up through the end of the project, but the bulk of
14	it was probably until 2016.
15	KATE McGRANN: And was there original
16	schedules set for the delivery of these documents
17	to the City and then the City's response back on
18	them in the PA or otherwise?
19	RICHARD PILOSENO: The only they
20	were to provide a schedule for the submittals. I
21	think the PA required it. They did submit a
22	schedule. You know, we had for the PA, I believe,
23	15 you know, 15 days to do a review on each
24	submittal. The PA had language for, you know, if
25	they provided too many submittals at one time, that

1 we could request additional time, et cetera. 2 But from the facilities point, you 3 know, they probably did not generally adhere to 4 their schedule. 5 They did not generally KATE McGRANN: 6 adhere to their schedule? 7 RICHARD PILOSENO: No. 8 KATE McGRANN: And when did you first 9 start to see a slippage in the schedule? 10 RICHARD PILOSENO: It was probably 11 pretty early, and then -- but the schedule really 12 wasn't updated. It would be -- what I would hear 13 or what I would know from our meetings is they 14 would say, We are going to submit to you a design 15 development or the FDD drawings for this station, 16 you know, next week. And so we would try to get 17 all of our -- because we weren't working on it 18 full-time. All of our other -- you know, all of 19 our reviewers have, you know, other projects they 20 are working on, try to schedule their time and say, 21 It is coming next week, and then it doesn't come. 22 You know, and it may come a week later and then it, 23 you know, would become problematic for us. 24 That is how I recall that I know they 25 were slipping on their schedule at certain times.

1 KATE McGRANN: Okay. At any point in 2 time did the slippage in the schedule raise 3 concerns for you about the ultimate delivery 4 timeline for the project? 5 RICHARD PILOSENO: Not -- no, not б really, not that I recall. 7 KATE McGRANN: In 2014, you take on an 8 additional role as a Project Manager for Capital 9 Transit Partners. What did that role involve? 10 RICHARD PILOSENO: So the role at that 11 point in time, as, you know, most of the design 12 review was complete, most of the major items 13 that -- the property issues and so forth and 14 integrated entrances were already addressed. 15 So it was really a position of ensuring 16 that the City had the resources that they asked 17 for, either for design review, for any on-site 18 reviews that they would request from our staff, and 19 then just in general making sure that people were 20 keeping up on their responsibilities and making 21 their own -- you know, their deadlines and review. 22 If the City sent them something and it didn't get 23 reviewed in time or the City staff felt that it was 24 not being answered in a -- not being addressed in a 25 proper amount of time, they would come to me and

1 then I would go and try and, you know, ensure that 2 we get our work done. 3 And then also invoicing and -- what is 4 I can't recall what we -- you know, our -it? 5 keeping an update on our budget and forecasting our б budget going forward so the City knew if we needed 7 to increase our contract value for a release of 8 The word I was looking for was "releases". money. 9 We did quarterly releases so that we had money to 10 fund our work. 11 So that was the majority of the work. 12 KATE McGRANN: Would a quarterly 13 release be a -- is it like a pre-payment so you are 14 being paid in advance for work in the quarter to 15 follow? 16 RICHARD PILOSENO: No, it is not a 17 It is just that the funds are made payment. 18 available. 19 So what we -- because our work, we were 20 hourly, as requested, so there would be -- they 21 would release a contract value of, say, \$200,000 22 for the month of October because we anticipated 23 this much work, so then at the end of the month, 24 when we sent an invoice, there was contract value 25 to be able to pay our invoice.

1 We had a PO number, but we didn't 2 release the full amount for us to charge to it at 3 one time. 4 KATE McGRANN: Okay. With respect to 5 the work that you did to ensure that the City had б the expertise it needed, who identified what 7 expertise the City needed at any given time while 8 you were in this role? 9 RICHARD PILOSENO: So it would come 10 from their -- generally from their discipline 11 leads. If they needed like a specific review of 12 something, like a catenary, so the overhead power 13 lines for the trains, they wanted someone with the 14 expertise to look at the installation to see if 15 that was conformant with the PA. They would come 16 to me because they may not know who that person was 17 in CTP, and that would go to our specific joint 18 venture partner if I didn't already know who that 19 staff member was to be and say, We need somebody 20 available to come up, you know, to review this 21 on-site. Who is that person, you know, going to be 22 from our resource group? 23 KATE McGRANN: And so was it the case 24 that the City was self-assessing what expertise it 25 needed at any given point in time and then would

1 bring the results of its self-assessment to you and 2 you would work to fill those needs? 3 RICHARD PILOSENO: Yes. 4 KATE McGRANN: To your knowledge, like 5 were you or anyone at CTP ever involved in 6 assessing the City's pool of expertise in 7 recommending that it be supplemented in any way? 8 No, I am not aware RICHARD PILOSENO: 9 of that. 10 KATE McGRANN: And was there generally 11 a plan in place that provided the City with access 12 to CTP team members and then you are filling 13 additional gaps as they arise, or was it really an 14 on-demand relationship throughout the construction? 15 RICHARD PILOSENO: I mean, there were 16 assigned people. Generally that was during, you 17 know, the very heavy design review. But as it 18 proceeded more into construction and, you know, 19 after several years, you know, some people were not 20 with the company, some people have moved on, some 21 people were not available because they just are not 22 available anymore because they are completely 23 booked on other jobs. 24 So it kind of fluctuated. There was a 25 core group of people, and then it kind of branches

1 out from there. 2 KATE McGRANN: How big was the core 3 group of people through the construction phase? 4 RICHARD PILOSENO: From CTP? 5 KATE McGRANN: Yes. 6 RICHARD PILOSENO: Excluding our three 7 people who were on-site, you know, maybe like ten. 8 KATE McGRANN: Okay. With respect to 9 the work that you did, I think you had mentioned 10 that you were ensuring that people were keeping up 11 with their deadlines. 12 RICHARD PILOSENO: Yes. 13 Who did those people KATE McGRANN: 14 work for? Whose deadline work were you managing? 15 RICHARD PILOSENO: It would have been 16 the City's, basically. I mean, so if they had 17 received an RFI, I quess regardless of when it was 18 actually received, you know, they may send it to 19 one of our staff members and ask for a response in 20 a day, you know, just trying to keep up on whatever 21 the City had asked for on the deadlines. 22 KATE McGRANN: And was that a challenge 23 on this project at times? 24 RICHARD PILOSENO: Sometimes it was, 25 yes, because some of the expertise is very limited.

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1	You know, I mean, there are certain people who were
2	involved with some of the design review. If there
3	was a certain issue, they really probably needed to
4	look at that, and they might not have been right
5	available to do that or to, you know, make an
6	appearance on-site in a quick turn-around.
7	So it was a challenge at some points,
8	but nothing significant.
9	KATE McGRANN: And just so that I make
10	sure I understand what you are saying, when you say
11	that certain experience was limited, I think that
12	you mean that the number of people who could fulfil
13	that need were limited.
14	RICHARD PILOSENO: Correct.
1 -	
15	KATE McGRANN: They have all the
16	KATE McGRANN: They have all the expertise. There were only a couple of them?
16	expertise. There were only a couple of them?
16 17	expertise. There were only a couple of them? RICHARD PILOSENO: No, correct, like
16 17 18	expertise. There were only a couple of them? RICHARD PILOSENO: No, correct, like they were familiar with what ProjectCo's design was
16 17 18 19	expertise. There were only a couple of them? RICHARD PILOSENO: No, correct, like they were familiar with what ProjectCo's design was and how it should be implemented. It would be
16 17 18 19 20	expertise. There were only a couple of them? RICHARD PILOSENO: No, correct, like they were familiar with what ProjectCo's design was and how it should be implemented. It would be better that they review that than someone else.
16 17 18 19 20 21	expertise. There were only a couple of them? RICHARD PILOSENO: No, correct, like they were familiar with what ProjectCo's design was and how it should be implemented. It would be better that they review that than someone else. That is absolutely correct, yes.
16 17 18 19 20 21 22	expertise. There were only a couple of them? RICHARD PILOSENO: No, correct, like they were familiar with what ProjectCo's design was and how it should be implemented. It would be better that they review that than someone else. That is absolutely correct, yes. KATE McGRANN: And the kind of deadline

1	RICHARD PILOSENO: No.
2	KATE McGRANN: Did you ever run into
3	any issues meeting deadlines or otherwise as a
4	result of the way in which CTP's work for the City
5	was structured?
6	RICHARD PILOSENO: Not that I recall
7	directly, no.
8	KATE McGRANN: To your knowledge, was
9	CTP involved at all in assessing RTG's project
10	progress during construction to help the City
11	understand how the construction was progressing or
12	otherwise?
13	RICHARD PILOSENO: I will say
14	indirectly, yes, we were. Through our contract,
15	the City had asked for some people of high- level
16	expertise - and these are very senior people in all
17	of our companies - to participate in, you know, a
18	schedule review, construction progress review, and
19	kind of opine on the status and what RTG was
20	proposing. But they were independent.
21	The only thing that I as CTP's Project
22	Manager was involved in was providing a scope for
23	approval to Gary Craig to review to allow us to get
24	the money for our work release, but we didn't
25	there was to be an independent review, so no one

1 who was involved with the project really was 2 reviewing that work and making that opinion because 3 the City wanted it to be independent. 4 KATE McGRANN: With respect to that 5 independent review, over what period of time did 6 that review take place? 7 RICHARD PILOSENO: I would have to 8 confirm, but I believe we started the first one 9 possibly -- I want to say it was maybe November of 10 2017, and I think we -- again, from memory, we did 11 three, maybe three reviews. 12 KATE McGRANN: Were these reviews part 13 of the role for STV that was originally envisioned, 14 or was this a part of a request that came from the 15 City later in the project? 16 I think it was --RICHARD PILOSENO: 17 you know, it could be construed that providing 18 advice during construction, it would be part of the 19 contract, but it was something that, you know, was 20 not apparent that we were going to provide early on 21 in the negotiation of the construction support 22 contract. 23 KATE McGRANN: Do you know who formed 24 part of this independent review team? 25 RICHARD PILOSENO: Yes.

Ottawa Light Rail Commission Richard Piloseno on 4/12/2022

1 KATE McGRANN: And could you tell me 2 who was on that? 3 RICHARD PILOSENO: So it would be Joe 4 North, Anil -- I can't remember Anil's last name or 5 how to say it, Parikh. Steve -- I think it is 6 Steve Rocco. I mean, I can get a list of this, of 7 their names. 8 If you could get a list KATE McGRANN: 9 of their names and which organization they worked 10 with, that would be very useful. So we'll put that 11 on our list of follow-ups for you. 12 U/T RICHARD PILOSENO: That is fine. Some 13 of them work for both companies or two companies. 14 KATE McGRANN: Whoever they work for, 15 one or more, that would be great. 16 RICHARD PILOSENO: Yes. 17 KATE McGRANN: Were you involved in 18 interacting with RTG at all through the 19 construction phase of the project? 20 RICHARD PILOSENO: Yes. I mean, I 21 worked with -- during the design review, you know, 22 we did have meetings, like I think biweekly 23 meetings with the design team. And then I was 24 involved in one quality review of their process. 25 And then later on, you know, in review of

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1	compliance issues, and we'll call them the
2	close-out issues with conformance, so we did have
3	some interaction and some meetings on-site, solving
4	some site issues.
5	So every now and then, yes, we had an
6	input.
7	KATE McGRANN: You mentioned close-out
8	issues with respect to conformance. Can you tell
9	me a little bit more about what you were talking
10	about there?
11	RICHARD PILOSENO: So there is a I
12	can't remember what the form is called. There is a
13	large document that basically has, you know, every
14	line in the PA that is supposed to be, you know,
15	completed to say that you are conformant with the
16	requirements of the Project Agreement, and it
17	should have, you know, how was it proven that you
18	were conformant. It could be through design; it
19	could be through construction documentation, et
20	cetera.
21	And there were probably there were
22	several that, you know, were challenged whether
23	they were or were not conformant, or if the
24	documentation was provided, et cetera. So we had
25	several meetings and discussions regarding those
I	

1	items.
2	And then, of course, there were some
3	items in dispute that we interacted with them on.
4	KATE McGRANN: With respect to the
5	proof of conformance for the various live items
6	that you identified, was the manner of proving
7	conformance defined in the Project Agreement, or
8	was that an approach that was sort of worked out as
9	you went through it?
10	RICHARD PILOSENO: I don't recall if it
11	was specific in the Project Agreement. I believe
12	it was, but I can't confirm that right now.
13	KATE McGRANN: What were the major
14	items that posed a problem with respect to
15	conformance?
16	RICHARD PILOSENO: So, I mean, in
17	general, from the facilities point of view, I don't
18	know if we had anything that was major. Some of it
19	would some of the items may have been like
20	there is 13 stations. There may be some
21	non-conformances of we have something to say
22	like benches need to be no further than 'x' metres
23	apart, and they may have been further because of
24	something on-site, and it really would just need
25	some documentation that that item was not

1 conformant and we agreed to it not being conformant 2 because of this issue or that issue. 3 So there was nothing that was overly 4 concerning from the stations point of view. 5 In your facilities work KATE McGRANN: 6 through the construction phase, were you also 7 looking at the MSF? 8 So the MSF, I mean, RICHARD PILOSENO: 9 again, Mark Peterson of STV was the main 10 conformance reviewer of that, but as I said, he 11 fell underneath the facilities. 12 So, no, we didn't really -- I didn't 13 have much oversight in that. 14 KATE McGRANN: And did you have any 15 view into how the station construction interacted 16 with the plan for actual commissioning and testing 17 of the vehicles? 18 RICHARD PILOSENO: No, I was not really 19 involved in the testing and commissioning of the 20 vehicles. 21 KATE McGRANN: To your knowledge, did 22 the progress of the station construction have any 23 impact on the plan for the commissioning and 24 testing of vehicles? 25 RICHARD PILOSENO: Not that I am aware

of, no. 1 2 KATE McGRANN: With respect to the 3 staffing requests that you received from the City 4 during your time as Project Manager, can you speak 5 to what areas of expertise the City called upon 6 Capital Transit Partners to fill? 7 RICHARD PILOSENO: Yeah, we had 8 some -- generally, I think most came from -- the 9 ones that I had to look for was the catenary, so the traction power was a main -- one of the main 10 11 concerns that I recall through that, and there was 12 maybe one request for track construction. 13 KATE McGRANN: Do you remember any of 14 the details of the track construction request? 15 RICHARD PILOSENO: No, it was just 16 some -- they wanted another -- I think another 17 reviewer to look at the track work. 18 KATE McGRANN: And when you say 19 "another reviewer", would that be in addition to 20 the people within the City staff who were doing the 21 review, or were there others involved as well? 22 RICHARD PILOSENO: Correct, in addition 23 to the City staff. 24 Okay. Are you aware of KATE McGRANN: 25 any complaints coming from either the City or RTG

1	with respect to the time that the work CTP did
2	during the construction period took?
3	RICHARD PILOSENO: No, I am not.
4	KATE McGRANN: Are you aware of any
5	complaints from RTG with respect to the City's
6	response time during the construction period?
7	RICHARD PILOSENO: No, I am not.
8	KATE McGRANN: Are you aware of any
9	concerns arising from the City or its advisors
10	regarding the timeliness of requests for
11	information provided by RTG through the
12	construction period?
13	RICHARD PILOSENO: No, not really, no.
14	KATE McGRANN: With respect to the work
15	that you were doing, what was the impact of the
16	Rideau Street sinkhole on your work?
17	RICHARD PILOSENO: It really did not
18	have any you know, any impact. All of the
19	mitigation items, et cetera, that were done I think
20	were handled through our joint venture member
21	Jacobs & Associates with very little you know,
22	very little need of any involvement from myself.
23	KATE McGRANN: Going back in time to
24	the preliminary engineering phase, were you
25	involved in a consideration of the geo-technical

1 risk and who would be best positioned to bear it? 2 RICHARD PILOSENO: I was not involved 3 in the discussions, but I know that they occurred 4 and, I mean, I was in some of the meetings where it 5 was discussed but not an active participant, nor 6 did I have any real role in making that decision. 7 KATE McGRANN: Do you recall, were 8 there particular people or groups who were pushing 9 for the complete transfer of the geo-technical risk 10 to the private service provider or private partner? 11 RICHARD PILOSENO: I don't recall 12 anybody specifically, you know, pushing the risk. 13 I know there was a -- I think -- I just recall 14 discussions about how to -- you know, either to 15 give them options to take on risk or not take on 16 risk, you know, and what that impact to the project 17 cost or to the City may or may not be. That is 18 about all I recall from those discussions, that 19 they happened. 20 And we know that the KATE McGRANN: 21 delivery of a system - and by that, like the 22 achievement of revenue service availability - was

²³ delayed from what was originally envisioned in the ²⁴ Project Agreement. From where you were sitting, ²⁵ what were the major contributors to the delay?

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1	RICHARD PILOSENO: To me, it was just
2	construction progress in general. I mean, I don't
3	think that it proceeded as quickly as they
4	anticipated. I am not sure if it was I am not
5	sure what the cause of that was, but it didn't
6	proceed as fast as anticipated, I think by you
7	know, from the contractor's point of view.
8	KATE McGRANN: We are just coming up on
9	11:40. I am going to take a five-minute break, and
10	then we'll come back up for wrap-up questions on
11	our end and any follow-up questions from your
12	Counsel.
13	So same deal with turning off your
14	microphone during the time that we are away, and
15	we'll reconvene at 11:45.
16	RICHARD PILOSENO: Okay, thanks.
17	RECESSED AT 11:40 A.M.
18	RESUMED AT 11:45 A.M.
19	KATE McGRANN: Just a couple of
20	follow-up questions based on what we discussed
21	today.
22	Can you speak to how the contingency or
23	any contingencies were built into the City's budget
24	for the project, how that affected the value
25	engineering work you did in the preliminary

1 engineering phase that you described to us? 2 RICHARD PILOSENO: I am just -- I am 3 not even sure that we were aware of what the City's 4 contingency budget was. I mean, we knew they had a 5 contingency. We did not know what the contingency 6 budget was, nor did we account for it, I believe, 7 while we were doing our work. 8 In any of the work that KATE McGRANN: 9 you have done since you started on the project, 10 have you been involved in any assessment of 11 project-related risks and communicating those to 12 the City? 13 Early, early on RICHARD PILOSENO: 14 during PE, we did participate in a risk review 15 process to identify some risks that we thought --16 you know, prior to doing the PE or, you know, 17 during the early parts of the PE to try and either, 18 you know, design the risks out, you know, have a 19 plan to mitigate them. 20 We did do a review following the 21 signing of the close of the contract of items in 22 the stations that we think, you know, that we 23 needed to probably pay more attention to because 24 they could cause us or cause the City or cause the 25 contractor some issues if they weren't addressed

1 properly during design. 2 KATE McGRANN: And were the results of 3 that post-contract design review amalgamated into 4 one report or document that we would be able to 5 find? RICHARD PILOSENO: I believe it was in 6 7 a document. I would not say it was a report, I 8 don't believe. It was prepared by Peter 9 Schwartzentruber 10 KATE McGRANN: All right, so the 11 results of that review were collected and 12 amalgamated into a document by the City? 13 RICHARD PILOSENO: Yes. At least --14 again, at least for the facilities portion of the 15 work. 16 KATE McGRANN: With respect to the 17 construction of the stations, I believe that there 18 was a change to the schedule and a compression to 19 the schedule in or about May 2014 with respect to 20 the delivery of certain stations, including - and I 21 may not pronounce this properly - Pimisi Station, 22 Lyon Station, Parliament Station, Rideau and 23 Hurdman Stations. Does this ring a bell for you? 24 No. RICHARD PILOSENO: 25 KATE McGRANN: If there was a change to

1 the schedule for the delivery of the stations, is 2 that something that you would have expected to 3 become aware of in your work? 4 Only in the amount RICHARD PILOSENO: 5 that it would have affected the design review that 6 was being undertaken. 7 KATE McGRANN: And with respect to the 8 stations, when was the design review phase complete 9 for those facilities? 10 RICHARD PILOSENO: I mean, I would say 11 it was substantially complete -- as you said, 12 Pimisi through Rideau? 13 Yeah. KATE McGRANN: 14 RICHARD PILOSENO: Maybe 2015, 2016. 15 KATE McGRANN: You don't recall being 16 advised of any changes to the delivery schedule for 17 those stations at that time or otherwise? 18 RICHARD PILOSENO: No. 19 KATE McGRANN: With respect to the 20 value engineering that you described to us earlier 21 with respect to finishes, glazing, escalators, et 22 cetera, did those changes or those decisions have 23 any impact on station delivery, to your knowledge? 24 RICHARD PILOSENO: No. 25 KATE McGRANN: Before I move to some

1	final questions, I just want to check with my
2	colleague. Ms. Murynka, do you have any follow-up
3	questions based on what we have discussed?
4	DANIELLA MURYNKA: I do not, no.
5	KATE McGRANN: Okay. The Commission
6	has been asked to investigate the commercial and
7	technical circumstances that led to the breakdowns
8	and derailments of the stations. Are there any
9	topics or areas that you think that the Commission
10	should be looking at that we haven't discussed this
11	morning, within your areas of expertise?
12	RICHARD PILOSENO: No, I don't think
13	so.
14	KATE McGRANN: The Commission has also
15	been asked or the Commissioner has also been asked
16	to make recommendations to prevent similar
17	situations from happening in the future. Do you
18	have any specific recommendations or areas that you
19	would suggest for his consideration as part of that
20	work?
21	RICHARD PILOSENO: I do not.
22	KATE McGRANN: That is the end of the
23	questions that I have for you. Mr. Leong, do you
24	have any follow-up questions for the witness?
25	PATRICK LEONG: Just one. So I know we
1	

1	have spoken a lot about our involvement in like the
2	design reviews and the scope around that. I just
3	want to clarify, when we talk about reviews,
4	that because I mean a lot of times when we say
5	"reviews", it is either review for a general
6	conformance or a review for actual
7	technical that something actually works, right,
8	or meets the intent of the actual design.
9	So I just want to clarify with respect
10	to the extent that we did design reviews, whether
11	it is the former or the latter, whether it is for
12	general conformance or whether it is for actual
13	like technical workability or, you know, that kind
14	of thing?
15	RICHARD PILOSENO: Yeah, the reviews
16	are for conformance with the specifications in the
17	Project Agreement, not a technical not a third
18	party technical review, anything of that, for pure
19	conformance to the Project Agreement.
20	PATRICK LEONG: Okay, thank you.
21	KATE McGRANN: Okay. Well, that brings
22	our questions for today to an end. We will follow
23	up through Mr. Leong with the few items that you
24	agreed to go and take a look at for us, and I know
25	that the court reporter has asked that you stay

1 behind after we have finished to help with some 2 spellings, but for our purposes, thank you very 3 much for your time this morning. 4 RICHARD PILOSENO: Just so I am clear, 5 I had the -- we're looking for maybe the cost 6 estimate document and the names of the independent 7 reviewers, are really the two items that I am 8 looking for; is that correct? 9 KATE McGRANN: At least those two, and 10 once we have received the transcripts, we'll take a 11 spin through, and if there are any other questions, 12 we'll make sure that we alert Mr. Leong that so he 13 knows to follow up. 14 RICHARD PILOSENO: Okay, thank you. 15 KATE McGRANN: So we'll go off the 16 record for now. Thanks again. 17 RICHARD PILOSENO: Okay, thank you. 18 19 -- Adjourned at 11:54 a.m. 20 21 22 23 24 25

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1	REPORTER'S CERTIFICATE		
2			
3	I, DEANA SANTEDICOLA, RPR, CRR,		
4	CSR, Certified Shorthand Reporter, certify:		
5	That the foregoing proceedings were		
6	taken before me at the time and place therein set		
7	forth;		
8	That the statements of the		
9	presenters and all comments made at the time of the		
10	meeting were recorded stenographically by me and		
11	were thereafter transcribed;		
12	That the foregoing is a true and		
13	certified transcript of my shorthand notes so		
14	taken.		
15			
16			
17			
18	Dated this 12th day of April, 2022.		
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20			
21			
22	NEESONS, A VERITEXT COMPANY,		
23	PER: DEANA SANTEDICOLA, RPR, CRR, CSR		
24			
25			

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