

## CITY OF CAMBRIDGE

## POLE AND CONDUIT COMMISSION

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IN RE: POLE AND CONDUIT COMMISSION MEETING

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POLE AND CONDUIT BOARD MEMBERS:

ANDREA JACKSON, CHAIR

WILLIAM DWYER, SUPERINTENDENT OF STREETS

STEPHEN LENKAUSKAS, DEPUTY CITY ELECTRICIAN

STAFF: EXECUTIVE DIRECTOR ELIZABETH LINT

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AT: Michael J. Lombardi  
Municipal Building  
831 Massachusetts Avenue  
Basement Conference Room  
Cambridge, Massachusetts 02139

DATE: Thursday, December 11, 2014

TIME: 10:14 a.m.

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P R O C E E D I N G S

THURSDAY, DECEMBER 11, 2014

POLE AND CONDUIT COMMISSION MEETING

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EXECUTIVE DIRECTOR ELIZABETH LINT: Okay,  
good morning. This is meeting the Pole and  
Conduit Commission, Thursday, December 11, 2014  
at 10:14 a.m.

We are in the Michael J. Lombardi  
Building, 831 Mass. Ave, Basement Conference  
Room. Before you are Chair Andrea Jackson,  
Superintendent William Dwyer, City Electrician  
Stephen Lenkauskas.

CHAIR ANDREA JACKSON: Do we have minutes  
to approve for October and November?

EXECUTIVE DIRECTOR ELIZABETH LINT:  
October 8th -- October 23rd and November 20th.

CHAIR ANDREA JACKSON: I make a motion  
that we approve the minutes from October 23rd and

November 20th. Is there a second?

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Second.

CHAIR ANDREA JACKSON: All those in favor signify by saying aye.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Aye.

CHAIR ANDREA JACKSON: Aye.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Aye.

CHAIR ANDREA JACKSON: Minutes are approved.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: The first petition was continued from November 20th regarding the Monsignor O'Brien Highway. I don't see Verizon here, so I move that we --

CHAIR ANDREA JACKSON: I want to hear first. I know you are here for a Verizon project.

Ma'am, which project are you here for,  
Crown Castle or Verizon?

LAURA KERSHNER: Crown Castle.

CHAIR ANDREA JACKSON: We will get to  
you.

Sir, if you can please come to the table,  
please.

MELVIN SCHORIN: Hi.

CHAIR ANDREA JACKSON: If you could  
please again state your name for the record  
spelling your first name and last name, please.

MELVIN SCHORIN: Melvin Schorin.

CHAIR ANDREA JACKSON: Spell your last  
name.

MELVIN SCHORIN: S-C-H-O-R-I-N.

CHAIR ANDREA JACKSON: Thank you. You  
are here for the work that Verizon wanted to do  
at 28 to 30 Inman Street?

MELVIN SCHORIN: 30, Unit B, one of six

units.

CHAIR ANDREA JACKSON: Sir, has anyone from Verizon reached out to you on this project?

MELVIN SCHORIN: Me personally, no. Anybody else in the building, I don't know. Jay has been doing -- Jay Fister, F-I-S-T-E-E-R, has been doing most of the contacting and he sent me an email "I don't believe Verizon contacted me. Here are my concerns," et cetera.

CHAIR ANDREA JACKSON: Can you tell me what his concerns are?

MELVIN SCHORIN: A, there's little room between 28 and No. 30.

B, we don't know where the underground cable is in respect to the structures.

And, C, if there's any digging, we need to know to understand the location with respect to structures and the depth.

D, what about remediation after the work?

E, what about liability for damage to our property? Verizon should indemnify us.

And my own concerns. Shall I go on or ...?

CHAIR ANDREA JACKSON: Yes, please.

MELVIN SCHORIN: My own concerns are, is this an automatic approval? Does anyone ever say "no" when Verizon says "we need to do such-and-such"?

CHAIR ANDREA JACKSON: We shall see shortly.

MELVIN SCHORIN: I guess I don't know the purpose of the work. I don't know if this is two hours or two weeks, if they are bringing heavy equipment into our yard. We have had flooding in our area in the 17 years I have been there.

We had another guy dig down three or four feet and put some plastic sheeting in. So I don't know if that will disrupt that or if that

matters a lot or if the sewer near us is always -- the sidewalk and street adjacent, it seems, every few years it sinks and the asphalt needs to be re-patched. Is that part of the job? Does it influence this? Is it a totally unrelated thing? That's all.

CHAIR ANDREA JACKSON: If I remember correctly when the gentleman from Verizon was here last month this work wasn't necessary to upgrade service to these units.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: I think he said it was for Whole Foods and another business. Are you aware of any easements that Verizon has to be in this location on your property?

MELVIN SCHORIN: Exactly, no. I think there's a pole in the back corner of our property and every once in awhile they ask someone to open the fence and there's a gazillion wires sticking

out.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: So you are unaware whether this pipe or cable is at 30 Inman Street or 28 or whether there's an easement for either?

MELVIN SCHORIN: Okay, I don't know what easements there are, but there's a pole that has to be on our property because it is inside our fence.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Okay.

MELVIN SCHORIN: I don't know if there's something else on 28.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: You are not aware of any easement on your deed giving them a right to be underground?

MELVIN SCHORIN: If there is, I'm unaware.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: So

there may be conditions in the easement if it is -- if there's an easement for your property, there may be conditions.

MELVIN SCHORIN: Like they get the right to go there?

CHAIR ANDREA JACKSON: But wouldn't that be the burden of Verizon to come in and prove that to us versus the homeowner?

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Are we more concerned about the public way to the sidewalk and then does it become a private property issue once it goes on private property?

CHAIR ANDREA JACKSON: I think it is a private property issue, in my opinion, but again, if there's, to me, if there's any type of lien or right-of-way that's for Verizon to address. I don't see it as a city issue.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
With the homeowner?

CHAIR ANDREA JACKSON: Yes.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: And we wouldn't allow anything to happen in the street until that would be resolved.

CHAIR ANDREA JACKSON: That's correct, but from my standpoint, Verizon was given notice this matter was continued, they were supposed to be here today, and we specifically said at last month's hearing, because there were concerns that we knew were raised by the homeowners, that Verizon was directed to reach out to the homeowners, and clearly, that hasn't been done.

MELVIN SCHORIN: At least Jay says, yeah, correct.

CHAIR ANDREA JACKSON: Is he the association president, kinda loosely, kinda sorta?

MELVIN SCHORIN: Yes.

EXECUTIVE DIRECTOR ELIZABETH LINT: He's

the trustee.

MELVIN SCHORIN: I think all six are trustees. He seems to be the head trustee.

EXECUTIVE DIRECTOR ELIZABETH LINT: I also reached out to him last week to see if Verizon had gotten in touch and he said they did not.

CHAIR ANDREA JACKSON: I make a motion we deny the petition Verizon to 28 to 30 Inman Street. Is there a second?

SUPERINTENDENT OF STREETS WILLIAM DWYER: Second.

CHAIR ANDREA JACKSON: All those in favor signify by saying aye.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Aye.

SUPERINTENDENT OF STREETS WILLIAM DWYER: Aye.

CHAIR ANDREA JACKSON: So the answer to

your question, sir, is, no, it is not just an automatic it's done. The petition has been denied.

MELVIN SCHORIN: What does that mean? They can come and bring it back up in the future?

CHAIR ANDREA JACKSON: They could.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: They need to be more prepared with easements and rights, or whatever, and have some conversation with the homeowners on both sides and have an agreement to bring forth to us so that we can go forward approving them to dig in the street.

MELVIN SCHORIN: Okay.

CHAIR ANDREA JACKSON: Just because they filed an application, it is not a carte blanche they get to go ahead and do the work, it has impact to your private property, so we would encourage them to have the conversation with you and that hasn't happened.

MELVIN SCHORIN: Somehow I think I'm going to hear about this again.

CHAIR ANDREA JACKSON: You may. I mean, there's nothing that precludes Verizon from coming back and refileing. They can refile the petition, but again, it doesn't mean that it is necessarily going to be granted. They have to work with the homeowner.

MELVIN SCHORIN: Okay.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: And they may also be looking for a different route to solve the problem they currently have. That doesn't necessary impact you or the other abutter.

MELVIN SCHORIN: Well, let me just thank you for your time and I'll let you move along.

CHAIR ANDREA JACKSON: Thank you for taking the time to come in. We appreciate it.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Thank you.

CHAIR ANDREA JACKSON: Do you want to call the other Verizon matter?

EXECUTIVE DIRECTOR ELIZABETH LINT:  
Monsignor O'Brien Highway.

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PETITION - VERIZON CONTINUED

MONSIGNOR O'BRIEN HIGHWAY

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
Monsignor O'Brien Highway, which was continued from November 20th hearing. I don't see Verizon here.

CHAIR ANDREA JACKSON: If I remember correctly, this was one they said they needed a MassDOT permit and to this date we have not received a MassDOT permit in the office.

EXECUTIVE DIRECTOR ELIZABETH LINT: I have not seen a copy of it.

CHAIR ANDREA JACKSON: So we can either

continue it yet again and see if they show up  
next month.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: I'd  
make a motion to continue.

CHAIR ANDREA JACKSON: All right.  
Motion's been made. Is there a second?

SUPERINTENDENT OF STREETS WILLIAM DWYER:  
Second.

CHAIR ANDREA JACKSON: All those in favor  
signify by saying aye.

SUPERINTENDENT OF STREETS WILLIAM DWYER:  
Aye.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
Aye.

CHAIR ANDREA JACKSON: Aye.

This matter is continued.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

CHAIR ANDREA JACKSON: I know we have  
one, two, three, four petitions from Crown

Castle. I know that last month -- forgive me, sir, I know we heard from the gentleman in the red shirt, tell me your name again.

DONALD GROSSMAN: Donald Grossman.

CHAIR ANDREA JACKSON: I would like to give you the opportunity to come forward and address your concerns with the board.

LAURA KERSHNER: I haven't seen the petition.

CHAIR ANDREA JACKSON: Come forward first. Have a seat make yourself comfortable. If you can again state your name for the record spelling your first and last name.

LAURA KERSHNER: Laura Kershner,  
K-E-R-S-H-N-E-R.

CHAIR ANDREA JACKSON: Thank you. And if you could tell us why you are here this morning.

LAURA KERSHNER: I live on Henry Street, which is one of the streets in the petition that

evidently they are putting fiber optic cable on, and I have several concerns, not that I'm opposed to it, or for it, I just don't know anything about it, and I would like to know, 1, whether it would have any adverse effects on health or environment, the aesthetics of having another cable on the street or whether they could put it underground, so we don't have to have another cable on the street.

It didn't say it was Verizon or anyone, so does this mean that we are going to actually have fiber optic capability on the street? I didn't know who the fiber optic capability was for, so I would like to have answers to those questions.

It sounds like they are planning doing the whole neighborhood and nobody has done the neighborhood before, but it looks like they were doing a sizeable chunk on the petition I saw.

Well, I didn't see a petition, I just saw the letter to me.

So I have those concerns. I may have more after I actually see the petition. Where could I get the petition?

CHAIR ANDREA JACKSON: What is going to be covered on the agenda is actually right in front of you, if you want to grab one of those, and the particular work that you are referring to, which would be Henry Street, would be on the top of Page 3.

LAURA KERSHNER: I guess the additional question is, are there going to be even more poles than already exist, and given what's happened with the trees on the street and chopping them, not necessarily down, but making them into very awkward-looking trees, I'm concerned that it may even add to that effect.

As I said, if they are going to do it, I

prefer they do it underground unless it is going to somehow add have adversely effect my property. I guess I would ask you what property rights does a homeowner have in this situation?

CHAIR ANDREA JACKSON: So in this particular instance these are the cables going across City's property, is that correct?

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Going across the public way on existing poles not to service the homeowners directly but for a wireless network expansion.

SUPERINTENDENT OF STREETS WILLIAM DWYER: Yeah.

LAURA KERSHNER: So if it will not service the homeowners, who is it gonna service?

CITY ELECTRICIAN STEPHEN LENKAUSKAS: It may if the particular homeowner has the service they are expanding.

LAURA KERSHNER: How would we know what

service they are expanding?

CHAIR ANDREA JACKSON: That would be Verizon, correct?

CITY ELECTRICIAN STEPHEN LENKAUSKAS: They are asking to expand it with Verizon, Verizon cell service.

CHAIR ANDREA JACKSON: Maybe we can have Crown Castle come forward to address it.

Crown Castle, if you can perhaps address some of the concerns raised by the homeowner.

CHAIR ANDREA JACKSON: Good morning.

COSTA JOVANOVIC: Costa, C-O-S-T-A. Jovanovic, J-O-V-A-N-O-V-I-C. Government Relations Manager for Crown Castle.

Good morning.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Good morning.

CHAIR ANDREA JACKSON: Good morning.

LAURA KERSHNER: Good morning.

CHAIR ANDREA JACKSON: I don't know if while you were sitting back there if you were able to hear the concerns raised by the homeowner. It would be helpful if she could hear specifically as it relates to the petition you filed as it relates to the work near Henry Street in terms of what is being proposed for the work.

COSTA JOVANOVIC: Yes. The work that we're proposing is on behalf of Verizon Wireless, so that all the subscribers of Verizon Wireless within Cambridge will have increased coverage and capacity of this network, what we call a network overlay we'll provide.

So that what it involves is the installation of equipment on some utility poles in the city, and the one that -- I can show you this little step here. This is Henry Street, and we're going to have a new pole installation at the corner here of Hastings Square, and in order

to provide connectivity of this equipment back to, what we call, a switch, or a hub, we need to install a single fiber optic cable along Henry Street from Pearl.

We'll go on the pole and what will have to happen first and we'll need to contact, or we've contacted all already, Verizon and NSTAR who are the pole owners and they have to give us permission to get on those poles.

We have to get a license from them.

In order to get the license, they have to go out and do a safety inspection and make sure all the clearances are appropriate for us to install a single fiber optic cable, which is about an inch in it diameter. It is not a big cable. Does that help?

LAURA KERSHNER: Yes. Is there some reason why you chose the historic park corner to put a new pole in?

CITY ELECTRICIAN STEPHEN LENKAUSKAS: It is an existing pole. It won't be a new pole. There's an existing wood pole there now, and once they apply for a license, the utility, the owner of the pole, whether NSTAR or Verizon, in this case I believe it is NSTAR in that area, and they would have to go out and determine whether that pole needs to be changed, but it would not be an additional pole next to it.

If that pole can't accommodate their equipment or antenna then, they would replace that pole.

LAURA KERSHNER: But it would be an additional wire?

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
Yes.

LAURA KERSHNER: I understand it is not an electrical wire, is there any danger if it falls down in a storm like there are with

electrical wires.

COSTA JOVANOVIC: No. The -- it is called ADSS cabling, all dielectric self-supporting cable and it doesn't conduct any electricity. The nature of fiber optic it conducts light, not power.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: It's actually glass. It is a piece of glass.

COSTA JOVANOVIC: Right.

LAURA KERSHNER: Would that interfere with any signals or you know, I don't know anything about it, okay, so I'm trying --

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Those are good questions.

CHAIR ANDREA JACKSON: Ask away. This is your time to ask, you took the time to be here.

LAURA KERSHNER: Would it create any waves or whatever that might have health consequences?

COSTA JOVANOVIC: These installations are not new to Cambridge. They are just additional ones. And besides that, we are regulated by the FCC as far as power output and emissions, and I can tell you that this meets all the applicable standards and health concerns are unfounded.

LAURA KERSHNER: Will it interfere, since this isn't cable, and we all have cable from Comcast, will this interfere with the Comcast transmission?

COSTA JOVANOVIC: It shouldn't. There's a restriction that says that if any of our equipment interferes with anyone else's, then we have to fix it. That's part of the license. It would be almost the same as if someone was going by on Henry Street and was talking on their cell phone, it shouldn't cause any interference at all.

LAURA KERSHNER: Should it improve

people's cell phone reception?

COSTA JOVANOVIĆ: If you are subscribing to Verizon Wireless, yes. A lot of times even though people are not making calls on their phone, their phone is in constant contact with a number of cell sites in order to determine where the dominant signal is, and so there's a lot of activity going on in the network without any calls being made. It is just sort of housekeeping.

At times when there's a great deal of activity, such as maybe a large gathering, people may have good coverage on their phone, but there's not the capacity to make a call or to use any of those 4G services like the internet or look at a video on your phone.

So this is going to increase the ability of customers to utilize those 4G LTE-services.

And I should point out that 40 percent of

homes now across the country have dropped their land lines and rely solely on the wireless service and 70 percent of 911 calls are made on wireless phones.

So it is very important, it is not just a convenience for folks to have this, but it is also I think, a necessity that they have good coverage that they can rely on.

CHAIR ANDREA JACKSON: I'm going to add along with the questions, because I don't know, and Executive Director Lint and I were having this conversation the other day looking at our cell phone right, so right now when I look at my cell phone it says LTE, there's some areas of the city I go to where it says 3G, how will that help this? What does that mean in terms of my service?

COSTA JOVANOVIC: Well, the difference between 3G service and 4G service is that 4G LTE

service is pretty much reserved for data traffic, and voice and text traffic is done on the older 2G and 3G technologies.

So this overlay is going to support LTE in 4 frequency bands, so folks in Cambridge should have fewer instances of that 3G showing up on their phone.

CHAIR ANDREA JACKSON: Is it a faster download to my phone or to my computer at home?

COSTA JOVANOVIC: Yes. Both those, a faster download and upload.

CHAIR ANDREA JACKSON: Okay.

EXECUTIVE DIRECTOR ELIZABETH LINT: And my phone doesn't say any of it.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: It only handles the one carrier? Verizon?

COSTA JOVANOVIC: That's correct. That's correct.

CHAIR ANDREA JACKSON: So conceivably if

Sprint or AT&T had someone that wanted to come in, we could also be looking at more cable?

COSTA JOVANOVIC: That's right. That's right.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: So each frequency would require an additional antenna or transmitter, or in other words, frequency-wise can you accommodate any other service on that same installation if you were to get other customers?

COSTA JOVANOVIC: We could. The way the equipment works is that there is an equipment enclosure that we call a shroud and the one that we are proposing here is the same size as what we have done six years ago and that holds two units that are called ion units, those would be the optical repeaters, and they take the light signal that comes through the fiber optic cable and convert that back into RF energy and then send

and receive through the antennas.

The antennas are capable of handling more traffic but it is these ion units dedicated to the specific frequencies or specific customers that is the limitation.

If we were then going to accommodate more customers on a single pole, we would have to take what shroud and expand it to allow us to put one more module in there.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: But the antenna would stay the same? So you can handle more than one customer on a particular antenna, it is just how you disperse that information when it goes down into the shroud over onto your fiber.

COSTA JOVANOVIC: That's correct.

So that when we first came up in support of Metro PCS, which is now T-Mobile, in those shrouds we only filled one chamber, and in

addition to these 55 new ones that we're installing, we are going back into those old installations and installing an ion there for Verizon.

So those older ones are supporting two carriers, but Verizon said that they want to take both slots here in these new ones.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Oh, so there will be no room for expansion for other customers within your system on these new installations?

COSTA JOVANOVIC: That's right.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Is that for capacity for Verizon?

COSTA JOVANOVIC: They are very concerned about capacity.

CHAIR ANDREA JACKSON: What is the diameter of the cable?

COSTA JOVANOVIC: The cable is about an

inch in diameter, so it is about three inches in circumference. That's the largest one, and those would be coming out of the hub, which is a switch location that I spoke of.

The hub is located in Somerville. So coming out of there, you would have the thickest cable that we have, which is what I mentioned, about an inch in diameter, and that supports 288 fibers.

This is called a tree-and-branch distribution system, so as you go from the hub along the path, things split off, so you don't need to have that thicker cable all the way down.

So eventually that 288 cable will slim down to 144, and then I think we go to half that.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: So each known location needs its dedicated fiber to get back to the hub?

COSTA JOVANOVIC: Right.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Is there any -- is Verizon looking to expand beyond the area that you are looking at now in the other parts of Cambridge or just within the area that you are proposing?

COSTA JOVANOVIC: They have expressed an interest to go closer to the universities and I think the next step in our discussion with the city would be how we can accommodate that because in those areas we can't find the utility pole infrastructure that we have used in the past.

CHAIR ANDREA JACKSON: What would that mean?

COSTA JOVANOVIC: It would mean either entering into an agreement with the city to allow us to use some city-owned poles, which would be probably the light pole, or by right, as a telecommunications company, we could petition to

install our own poles, which would not be inappropriate for the area. They would be dedicated poles for the purpose of wireless transmission.

But we would try very hard to find a design that works within the neighborhood.

CHAIR ANDREA JACKSON: So in the instance of a pole not owned by the city that just is in horrible condition, and I know there's a pole on the back side of my property that looks like it is from 1920, it leans to the side, got a whole bunch of stuff attached to it, and I know in the Brookline Street area, there's poles very similar to that, that just look like if you add one more thing to it, it would probably fall over, in those instances, are you suggesting that you would put -- take those poles down and put up your own pole? How does that work?

COSTA JOVANOVIC: If it is an existing

pole and it's -- when we go out and do what we call the joint survey where someone from our company goes out with Verizon and NSTAR and maybe even Comcast, we'll look at the pole and the pole owner will make a determination as to whether it is safe, whether it should be condemned, or if it's over-crowded, then make the recommendation to replace it with a new taller pole.

If it is found to be unsafe, it will be replaced prior to us attaching our cable, so I think we act as a catalyst to clean up some of that old stuff.

CHAIR ANDREA JACKSON: Mr. Grossman, if you have a question, if you could identify yourself for the record.

DONALD GROSSMAN: Donald Grossman,  
G-R-O-S-S-M-A-N.

What you are saying is very different than what I initially anticipated.

Are any of these microsells, picocells femtocells, how would you characterize them?

COSTA JOVANOVIC: Not pico and not micro. It is a distributed antenna system.

DONALD GROSSMAN: So what radius do they service?

COSTA JOVANOVIC: A quarter mile, if it is unobstructed, if we are in what we call the urban --

DONALD GROSSMAN: It seems like before you glossed over when you say there was no power running through the fiber but you obviously have to power these ion units, they are not working off light energy, so there's power being provided to your system?

COSTA JOVANOVIC: Yes, that's true. What we do, because on the utility poles there's already a power feed there, we ask the electric company to provide us with service.

DONALD GROSSMAN: Okay, does this obviate the need for conventional cell sites?

COSTA JOVANOVIC: It works in conjunction with them. Rather than have large installations with an array of panel antennas, you have probably seen them, three or four for a sector, and they are eight feet tall and eight inches wide, they will work in tandem with this.

DONALD GROSSMAN: Still my question is: Does it obviate the need for them and will these supplant those at some point?

COSTA JOVANOVIC: I don't think the old ones will ever go away. There'll always be a need for them. As technologies evolve, they'll find a way to make them work because the wireless companies have invested quite a bit of money in those facilities, so they will find a way to make them blend in with the network.

What I'm trying to say is, I think by

having these small cells, there's not the need to go back and create those larger ones.

DONALD GROSSMAN: What is the service area for a larger cell site typically, the radius?

COSTA JOVANOVIC: Out on 128 or something like that, two-mile coverage, depending on the height.

DONALD GROSSMAN: And in the city, more like a half a mile or a mile?

COSTA JOVANOVIC: Probably still around the quarter mile.

DONALD GROSSMAN: Okay, that's just insufficient capacity in these existing cell sites?

COSTA JOVANOVIC: Yes, that's correct.

DONALD GROSSMAN: In Cambridge?

COSTA JOVANOVIC: In Cambridge. We are doing this in Boston.

DONALD GROSSMAN: So you have numbers to back that there's insufficient capacity for Verizon in Cambridgeport?

COSTA JOVANOVIC: I can get that for you.

DONALD GROSSMAN: I would appreciate that because as a matter of coincidence, which I didn't expect this conversation to take this direction, I have a Verizon cell site on my property, so right dead in the middle of Cambridgeport, right in front of where you are planning on moving your device and cabling, so I would like to know if there's a demonstrated need for capacity, and also just a personal observation, it seems absolutely insane that you will have every phone -- cell phone carrier stringing cable in parallel rather than having some coordinated, unified system.

And this seems like more a big change than a little change to say, okay, were migrating

from the conventional of topology of cell networks to this very distributed somewhere between microcell and picocell devices are actually larger than microcell devices. I mean, this seems like something that Cambridge should be addressing a more global, larger scale picture than an ad hoc, you know, Crown Castle is coming in this week and you know, benefiting substantially from use of public poles without, I don't know, whether there's compensation for the municipality in doing so also.

COSTA JOVANOVIC: They have not agreed to let us use their poles as of yet.

DONALD GROSSMAN: I don't know if they have the potential to get compensated for doing so whether your infrastructure gets taxed as real property or whether there's some rental agreement or how that works, but there seems a value that being given here that's not necessarily being

accounted.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

I don't think we'd run parallel lines. It was mentioned before you have the shrouds that can handle one or two canisters.

DONALD GROSSMAN: I don't know.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

You would be using the same line.

DONALD GROSSMAN: I don't know what

Verizon's agreement is with Crown Castle. They may have an exclusivity agreement saying that we preclude you from putting AT&T or T-Mobile devices on the same network. I have no idea what the contractual relationship is.

COSTA JOVANOVIC: No, that's not the case. We are set up to accommodate multiple carriers.

DONALD GROSSMAN: Is that your contractual arrangement with Verizon?

COSTA JOVANOVIC: Yes.

DONALD GROSSMAN: So you can show us a contract that says that you can do that?

COSTA JOVANOVIC: I would have to check to see if that's -- if I could do that. I hope you could rely --

DONALD GROSSMAN: It is a big difference. It's not me. It's more the city that needs that demonstration.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: At this time, there are no carriers or antennas or anybody else on a city-owned pole.

All the poles referenced here, they are all owned by the utility. Going forward they may approach the city, as any other carrier might want to, and the city may look at that and see if there's revenue or some other means.

DONALD GROSSMAN: One last question: Does the city get additional revenue if

additional lines are strung on these private poles or is that just covered under an existing agreement with the pole owners, NSTAR and Verizon?

COSTA JOVANOVIC: In Massachusetts, DTE, Department of Telecommunications and Cable, classifies us as a utility, so we compensate the municipalities, not Cambridge, but everywhere, in the same manner that the other utilities do, which is --

SUPERINTENDENT OF STREETS WILLIAM DWYER: A license fee, I would imagine, right?

COSTA JOVANOVIC: There's no direct compensation, but in Cambridge there's a \$10,000 annual fee that is given that everyone pays all utilities pay.

EXECUTIVE DIRECTOR ELIZABETH LINT: It is \$8,500.

COSTA JOVANOVIC: Sorry.

DONALD GROSSMAN: That's a drop in the bucket. Verizon pays me more in rent than that for one site. Anyway, I'm done.

CHAIR ANDREA JACKSON: Yes?

LAURA KERSHNER: I think if they stop stringing this on telephone poles, or whatever poles, I think that is the precedent for not putting it underground.

So what I'm asking is, is it possible for Verizon to put the fiber optic cable underground and start a new precedent?

SUPERINTENDENT OF STREETS WILLIAM DWYER: Lack of space in the ground, too, for many utilities. That's an issue. That's an issue that all the utilities have, whenever we open the street up.

I'm not sure that an option every street you run down or an option for the pick picture and considering the fact that the construction

Cambridge experiences now with the disturbance it does to the neighborhood, all that needs to be looked at and analyzed, but on the surface, it seems like hanging the lines on the poles, it is less than cumbersome to the neighborhood than excavating a street every time a contractor wants to put something in or a utility wants to bury something in the street.

LAURA KERSHNER: Every time there's a storm or whatever, the cables go, that's pretty cumbersome. I'm just curious, because they started doing this now in this corner of Cambridgeport, is this being done because Sanofi wants to have more fiber optic capability? Sanofi is in the old Ford motor plant.

CHAIR ANDREA JACKSON: Right there on the corner?

LAURA KERSHNER: Yes.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

That started in Cambridge a few years ago. It started in Cambridge several years ago. So it is the second phase.

CHAIR ANDREA JACKSON: It's more of an upgrade of the system, is the way I look at it.

Did you have any other questions?

LAURA KERSHNER: No.

CHAIR ANDREA JACKSON: Not yet?

LAURA KERSHNER: I guess.

CHAIR ANDREA JACKSON: We appreciate you coming in.

LAURA KERSHNER: Thank you.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: In regards to the digging, there's not only communications and electric. Between water, gas, sewer, the streets get very congested as far as digging, and as Bill mentioned, there's an impact and it is expensive to put things in the ground.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Take a look at Western Ave the last year, year and a half.

CHAIR ANDREA JACKSON: Take a look at Western Ave.

LAURA KERSHNER: How long, when they finally decide to get around to putting the cables up, how long a process is that and how noisy a process is it and what hours are they doing it?

COSTA JOVANOVIC: There's two operations. One would be to install the cable and then the other thing is installing the equipment on the pole.

And for both, we would go to the Public Works Department to get a permit, find out what other work is being done in the area, so it is not burdensome. To run an aerial cable is half a day's work for any street run, and to install the equipment on the pole is probably one day's work

for a crew with a bucket truck.

We have a system that we can use that we call door hangers, so we can tell the residents a day or two ahead of time when we'll be coming.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

The hours are normal business hours. Highly unusual to permit off-hours work for this type of thing.

LAURA KERSHNER: Does that eliminate parking on the street while they are doing it?

SUPERINTENDENT OF STREETS WILLIAM DWYER:

It could be in some spots, it may necessitate that, to take a spot or two for the time being.

With all that, have you been meeting with Public Works as far as layout and scheduling and things of that nature? You still have work to be done with that, right?

COSTA JOVANOVIC: On the conduit pathways there's still some work to be done.

Until the make-ready work -- well, first, we hope to get approvals of the petitions and then to the make-ready work will commence.

Once the make-ready work is complete, which is probably going to take three or four months from now, then we would come back and ask for the permits.

SUPERINTENDENT OF STREETS WILLIAM DWYER:  
It hasn't been determined yet on every street what process or procedure you will use?

COSTA JOVANOVIC: We're confident of the aerial pathways, but it's the conduits that we're still working on.

SUPERINTENDENT OF STREETS WILLIAM DWYER:  
Still working on?

COSTA JOVANOVIC: Yes, and these three petitions are all aerial connections. There's no conduits here.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: You

are still in the process of obtaining licenses for these three petitions and make-ready work?

COSTA JOVANOVIC: I think they don't give us the license until the make-ready work is done. It's sort like a chicken-and-egg thing, where do we start.

I was hoping we could start with the approval of the node locations and the pathways contingent on getting the licenses, and then once we get the licenses we would come back to DPW and ask for the construction permits.

But I think we really need to say -- I need to tell my bosses that we have approval for these nodes, so they can feel confident to go ahead and spend that make-ready money. It is not an insignificant note.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: So the type of node you would be installing, I see there's two different types, one on the top of

the pole and one off the side of the pole, off at a right angle.

Have these three locations, these three petitions, has it been determined what type of node is going on which pole?

COSTA JOVANOVIĆ: Yes. Each node location has a little packet of three sheets. The first one is the locust, the second page is the existing condition, and the third page shows the equipment configuration.

So each individual node has an antenna depicted on it. The antennas are eight-inch diameter, four feet at the pole top, or the shorter ones are eight inches x 26 tall, I think.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
What determines which pole gets the pole top or the lower right angled one?

COSTA JOVANOVIĆ: Generally if there's primary power on the pole, we may not use the

pole top, and in order to get the clearance for the primary we have to go down lower in the com zone and use the shorter antenna.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

That might be something that might need to be predetermined.

COSTA JOVANOVIC: The clearances are determined by the utility companies.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: So everything in the packet, the type of antenna, that's already been determined?

COSTA JOVANOVIC: Correct.

We have already done our surveys. If you look at one of the details, we call out what is already on the pole, and the height, where the attachments are.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

So the survey has been done, what pole is going to receive what type of node?

COSTA JOVANOVIC: Correct.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

For some reason, the residents, the pole may be in front of their house, would prefer a different type of node, is that a possibility to have it modified?

COSTA JOVANOVIC: We think we have done a good job selecting poles to avoid that kind of situation and we also avoided poles where there's already equipment such as transformers or cable boxes, cable equipment, so we tried to pick the poles that were work for everyone.

CHAIR ANDREA JACKSON: You said you did not select the poles that had the transformers, is that correct?

COSTA JOVANOVIC: We stayed off those.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

There's some flexibility in the range of these poles. If for some reason a pole could not be

used, you could switch to the next pole or a pole in that vicinity even though your preference wouldn't be that?

COSTA JOVANOVIC: We have done it on occasion. It kind've --

SUPERINTENDENT OF STREETS WILLIAM DWYER:  
Clusters?

COSTA JOVANOVIC: Clusters. They work with each other, so as soon as you move one, then it has an effect somewhere else.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
Just, for instance, I believe it is node N022, it shows both -- I'm sorry. That particular node would be getting a side mounted antenna.

COSTA JOVANOVIC: 22?

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
N022.

COSTA JOVANOVIC: Mine shows the pole top.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

It's pole 1 on Acorn Street.

So in that particular one as a -- if there was an issue where that's a three-decker home and that antenna may be in front of someone's window, if it was a matter of changing the pole or location to a pole top, was that taken into consideration of when they --

COSTA JOVANOVIC: My diagram does show a pole top.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: I have mine mixed up then.

CHAIR ANDREA JACKSON: You are looking at this one.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Am I looking at the wrong one? N022 and it is showing --

CHAIR ANDREA JACKSON: This shows the proposed with it on top. Jill, if the record can

reflect we are looking at N022.

COSTA JOVANOVIC: I would have to look.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Does that look correct or ...

COSTA JOVANOVIC: It doesn't look the same as the one I have. I have to find out why there's a difference.

CHAIR ANDREA JACKSON: Do you want to see?

LAURA KERSHNER: Yes.

CHAIR ANDREA JACKSON: I can walk it over to you.

COSTA JOVANOVIC: Is your version dated 6/17/14?

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

November 10, 2014.

COSTA JOVANOVIC: I think I have an old one.

CHAIR ANDREA JACKSON: Do you have an

exact listing of the pole locations?

COSTA JOVANOVIC: As far as streets,  
street address?

CHAIR ANDREA JACKSON: Yes.

COSTA JOVANOVIC: I think we have given  
an approximate location. I do have it in a list  
but not in the petition.

CHAIR ANDREA JACKSON: Okay, if you can  
email it to me, that would be helpful, and if you  
want to leave your contact information, that's  
something we can forward to you.

LAURA KERSHNER: Thanks.

EXECUTIVE DIRECTOR ELIZABETH LINT: If I  
recall, last time, that we received a whole  
matrix of where every installation was going to  
be specifically.

COSTA JOVANOVIC: Uh-huh.

EXECUTIVE DIRECTOR ELIZABETH LINT: That  
might be helpful.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: For the entire project?

EXECUTIVE DIRECTOR ELIZABETH LINT: Yes.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: That might have been sent in this petition.

CHAIR ANDREA JACKSON: In the last package?

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Yes, because that was for the new petition, I think it may have been included.

In a case like the one I mentioned on N022, where there's a home right there where that would possibly be mounted lower, could that be changed to a pole top if there was a concern there?

COSTA JOVANOVIC: I think they would have to put an extension on the pole top and then the antenna over that if we were going to use in a pole.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: So the make-ready work that's in process for these three petitions before they give you an license, they will want to look at it.

COSTA JOVANOVIC: They'll do the survey and come back with an estimate of the make-ready costs to us.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Will that impact your overall route if they had to change out many poles, would that force you to change the route?

COSTA JOVANOVIC: I think at that point it is just a matter of time. We would stick with the route.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: You would stick with the route, okay, so the route wouldn't change regardless of make-ready work?

COSTA JOVANOVIC: That's the plan.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Still have -- that would have to be permitted too, the work, whoever was doing the work would need to permission from the departments to be able to use trucks in the street and block sidewalks to do whatever they had to do.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Not in all cases. If they are changing a pole out, unless they are blocking a sidewalk, they don't typically get permits, I don't believe they do.

SUPERINTENDENT OF STREETS WILLIAM DWYER: If they are on a street, it would be the Traffic Department.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Only if they need to take parking out or block a street, otherwise it is just a police detail, for pole replacement/maintenance work.

CHAIR ANDREA JACKSON: The frequencies that will be used to support the service, do you know how those interplay with the frequencies

used by say a 911 center or Fire Department? Do you know if there's any type of interplay with those?

COSTA JOVANOVIC: I don't believe there is. As I mentioned, if there's any interference caused by our transmissions or Verizon's transmissions, they have to find a way to stop the interference and these are the same frequencies that are currently --

CHAIR ANDREA JACKSON: That they currently use?

COSTA JOVANOVIC: Yes.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: On a larger scale.

CHAIR ANDREA JACKSON: So it may improve their service?

COSTA JOVANOVIC: It should improve their service. I can't imagine they would be spending money and not have it be better for them.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

They would improve Verizon's service, not the 911, unless the city is actually using Verizon as a carrier.

CHAIR ANDREA JACKSON: Aren't they?

EXECUTIVE DIRECTOR ELIZABETH LINT: Yeah.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Currently?

CHAIR ANDREA JACKSON: Yes.

COSTA JOVANOVIC: I was hoping we would get approvals on these petitions, and if we needed to build in some contingencies, that would be fine but I think we have to kind've put a stake in the sand and say this is a starting point.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: My largest concern is the lower antennas that may fall in front of someone's windows. And other than that, I don't see -- you know, there would

be need to be some sort of contingency if there's a complaint from some person that it either be changed or looked at closer to move it to a pole top.

I think the pole tops blend in well and they are above anyone's vision when they are looking out their window or just walking down the street.

CHAIR ANDREA JACKSON: I would like, for transparency purposes, the listing of what poles we're specifically talking about and any other information that can be provided, not just to the homeowners, but something we can post on our website, I'm sure there are other residents, other than the two we had today, that if they have questions, they can go to the Pole & Conduit website and look at the documentation and at least be kept up to date what is going on.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

I don't know if anybody in the city has had an opportunity to check the poles, not the condition of the pole, but what poles will have tops and what poles will have the front mount or side mount. That should be inspected first.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: And I haven't had the chance to do so.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: The make-ready work would accommodate that.

My concern is more the placement of the type of antenna. If you could make contingencies upon that, I would not be opposed.

CHAIR ANDREA JACKSON: I'll let you hammer out the details. Mine is more the transparency and making sure the public knows what is going on.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: So I'll make a-go at this one. If we move to approve --

EXECUTIVE DIRECTOR ELIZABETH LINT: I think you have to go to the very last one first, giving Crown Castle permission to approach Verizon and NSTAR to do the work.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Well, I think we did for the first three.

EXECUTIVE DIRECTOR ELIZABETH LINT: But we didn't have the paper.

CHAIR ANDREA JACKSON: So we made the motion before without them actually submitting it?

EXECUTIVE DIRECTOR ELIZABETH LINT: Yes, so you would reapprove.

CHAIR ANDREA JACKSON: Reapprove.

SUPERINTENDENT OF STREETS WILLIAM DWYER: You are talking about the very last one?

EXECUTIVE DIRECTOR ELIZABETH LINT: Uh-huh.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

But isn't the way it's written -- it's written it is not -- if we approve this the way it is written, we approve them to discuss with utility companies to be able to discuss plans, and the best way to proceed and have them follow through with this and present a plan back to us?

EXECUTIVE DIRECTOR ELIZABETH LINT: Yes.

CHAIR ANDREA JACKSON: This would be consistent with the vote we took at our November meeting.

SUPERINTENDENT OF STREETS WILLIAM DWYER: I didn't know if I read it the wrong way. I didn't want to give them free reign to go and start putting things on poles.

CHAIR ANDREA JACKSON: So consistent with the vote we took in November and the paperwork we have, I make a motion that we approve Crown Castle to enter into discussions with Verizon New England and NSTAR Electric to establish fiber

optic routing and attach equipment to existing utility poles as outlined in the attached exhibits. Is there a second?

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Yes.

CHAIR ANDREA JACKSON: All those in favor signify by saying aye.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Aye.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Aye.

CHAIR ANDREA JACKSON: Again, that's not granting anything above and beyond what we granted at our November hearing.

This is more of a formal process.

EXECUTIVE DIRECTOR ELIZABETH LINT: It is just permission to approach.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Okay.

CHAIR ANDREA JACKSON: And in regards to the other three petitions, other two petitions -- three.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: So as it's read in the new petition, it is assumed if the equipment to be attached to the poles.

CHAIR ANDREA JACKSON: That wasn't in my motion.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: All right.

CHAIR ANDREA JACKSON: I left out that it is assumed that the equipment to be attached.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Okay, I rescind my comment.

EXECUTIVE DIRECTOR ELIZABETH LINT: I didn't write that down.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Then we move back to the first petition which was continued from the November 20th hearing, I can

go through it, branching of pole 13 on Pearl Street and proceeding southwesterly of Sidney Street and then branching both northeasterly and southwesterly. The southwestern branch turns the corner at Allston Street and the untagged pole at the corner of Grove Ave.

The northeast branch on Sidney Street then turns southeast along Erie Street and terminates at pole 240/2 on Albany Street.

New equipment attachments are made at the untagged pole at the corner of Grove and Allston, Verizon node will be numbered N0 12, at pole 250/2 would be Verizon node N007, and at pole 8 on Hamilton Street, it would be Verizon node N088. And respectfully petitions your commission for permission to erect or construct upon, along, under or across said way the wires, poles, piers, abutments or conduits and others fixtures necessary therefore and located substantially as

shown on the perhaps filed herewith, numbered and dated N07, November 7, 2014, N012, November 10, 2014, N088, November 11, 2014, and AF 015, undated.

On that petition I make a motion to approve.

CHAIR ANDREA JACKSON: Contingent upon?

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
Contingent upon the determination.

SUPERINTENDENT OF STREETS WILLIAM DWYER:  
Read the notes.

EXECUTIVE DIRECTOR ELIZABETH LINT:  
Contingent upon the city inspecting the poles to see how they will be impacted in terms of placement of the nodes.

CHAIR ANDREA JACKSON: Submission of the list.

EXECUTIVE DIRECTOR ELIZABETH LINT: Yeah, the list, that was in another place.

CHAIR ANDREA JACKSON: Submission of the listing of the poles.

EXECUTIVE DIRECTOR ELIZABETH LINT: Well, we have the poles. It is what address on the street would be impacted.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Yeah. Some have untagged, which would need to have pole numbers, along with the submission of all make-ready work and subsequent licenses from the pole owner.

COSTA JOVANOVIC: Would that be completion of make-ready work?

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Yes. Because they won't give you the license without the completion.

EXECUTIVE DIRECTOR ELIZABETH LINT: Giving us a list of exact pole locations.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Yes.

EXECUTIVE DIRECTOR ELIZABETH LINT: As it relates to --

CITY ELECTRICIAN STEPHEN LENKAUSKAS: For each antenna location, the pole top or the side mount, make-ready work. On the motion?

CHAIR ANDREA JACKSON: Second.

All those in favor signify by saying aye.

SUPERINTENDENT OF STREETS WILLIAM DWYER:  
Aye.

CHAIR ANDREA JACKSON: Aye.

PETITION - CROWN CASTLE

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
Second petition, also continued from November 20th, for the following: An extension of the existing aerial fiber optic network branching off pole 538/on Pearl Street proceeding northeasterly to the intersection of Franklin Street turning northwesterly on Franklin Street terminating at understanding tagged pole.

Also an extension of the existing aerial fiber optic network branching off an untagged pole on the corner of Pearl Street and Lopez Street proceeding southeasterly to Brookline Street turning northeast and turning southeast on Pacific Street terminating at an untagged pole.

Also an extension of the existing aerial fiber optic network branching off pole 28 on Pearl Street proceeding to northwesterly on pole 7 on Lawrence Street.

Also an extension of the existing aerial fiber optic network, branching off pole 550/340 on Pleasant Street proceeding southeasterly terminating at pole 7 on Kelley Road.

New equipment attachments are made at pole 7 on Kelley Road. Verizon node N019 and at untagged pole on Pacific Street Verizon N055. And respectively petitions your commission for permission to erect and construct, upon, along,

under and across said way the wires, poles, piers, abutments, or conduits and other fixtures necessary there and located substantially as shown on the plans filed herewith, numbered and dated N013, November 11, 2014, N019, November 11, 2014, N055, November 11, 2014, N085, November 11, 2014, and CAMAF013, which is undated.

I would move we approve with the same conditions as the previous petition.

CHAIR ANDREA JACKSON: Second.

All those in favor signify by saying aye.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Aye.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Aye.

PETITION - CROWN CASTLE

CITY ELECTRICIAN STEPHEN LENKAUSKAS: On the third petition from Crown Castle for the following: An extension of existing aerial fiber

optic network branching off pole 538/58 on Pearl Street and proceeding southwesterly to Henry Street then branching off both southwesterly and southeasterly. The southwesterly branch continues to Granite Street and then turns southeasterly along Granite Street and terminates at pole 9 on Granite Street. The southeastern branch terminates at the untagged pole at the corner of Hastings Square and Henry Street. Also an extension of the existing aerial fiber optic network branching off an untagged pole at the corner of Pearl Street and Chestnut Street and proceeding southeasterly along Chestnut Street to Acorn Street, and then turning northeasterly along Acorn Street terminating at pole 1.

New equipment attachments are made at pole 9 on Granite Street, Verizon node N015, at pole 1 on Acorn Street Verizon node N022 at an untagged pole at the corner of Hastings Square

and Henry Street, Verizon node N011, and respectfully petitions your commission for permission to erect or construct upon, along, under or across said way the wires, poles, piers, abutments or conduits and other fixtures necessary therefore located on substantially as shown on the plans filed here with, numbered and dated N011, November 10, 2014, N015, November 11, 2014, N022, November 10, 2014 and CAMAF014, which is undated.

I make a motion to approve the same conditions as the previous two petitions.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Seconded.

CHAIR ANDREA JACKSON: All those in favor signify by saying aye.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Aye.

CHAIR ANDREA JACKSON: Aye.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Aye.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Do  
you have any questions?

LAURA KERSHNER: No.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
Thank you. Thank you very much.

Do we have any other business?

EVERETTE BRYAN: We had two petitions  
last month. We would like to give you a previous  
update on those.

CHAIR ANDREA JACKSON: Come to the table  
and can state your name for the record.

EVERETTE BRYAN: My name Everette Bryan.

CHAIR ANDREA JACKSON: Spell your name  
first and last name.

EVERETTE BRYAN: Let me give you a card.

CHAIR ANDREA JACKSON: Mr. Bryan, I want  
to let you know that the hearing was scheduled to

start at 10:00. We waited 15 minutes. We started at 10:15. Your items were the first items we called.

There was a member of the public here on the Inman Street petition. They said they had not been contacted by anyone from Verizon. The board actually did vote on that and we denied that petition.

On the other petition that you have as it relates to Monsignor O'Brien Highway, we've heard that one as well and we voted to continue it giving you the opportunity to see if you had any approval from MassDOT.

So at this time the only information that we would actually receive from you really is as it relates to the first petition that was on our agenda as it relates to Monsignor O'Brien Highway.

EVERETTE BRYAN: That's really the one I

wanted to speak about because the other one we weren't able to work anything out with the property owners. We are likely to continue to next year.

Monsignor O'Brien Highway, our engineering and construction department had a meeting with the principals on site there this week and reviewed with them what we planned to do there on Glassworks Avenue, E Street, and North Point Boulevard, and they asked that we share what we plan to do with you because at some point you will be taking over these public ways at some point in the future.

I have a couple plans showing what the underground conduit will be doing on the private ways there.

CHAIR ANDREA JACKSON: Do you have a third copy because there's three members?

EVERETTE BRYAN: I think I'm short one

page. I can get that back to you when we come back to meet.

The reason for this is that we have poles in that area that the Green Line viaduct is going to cause a conflict. We have to remove those four poles. That's what is driving all this work.

We need to place conduit in those two locations. And there's one manhole where we need to cut off a corner of. It is not shown in most plans because it's minor work, and the four poles are located on Glassworks Avenue, that's Avalon's property, and they are in agreement with it.

And we have an existing easement for all our facilities on that property as well, so we don't need any additional rights other than just reviewing with them what we proposed to do.

And I met with the -- communicated with the District Highway Engineer on the Mass state

permit and he asked for a revision on the traffic management plan, we supplied that, and in communicating with him this morning, that's one reason why I was late, I was hoping to bring that permit with me to you this morning, but he didn't have it ready.

So we'll have to wait until he gets that to us before we can begin that work in the public way there.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

This is additional work on the private way?

EVERETT BRYAN: That's correct, yes.

Those are private ways, Glassworks Avenue, North Point Boulevard, and E Street, with the exception that a portion of E Street goes into the property, a small portion.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

It's different locations than previously submitted, am I mistaken?

EVERETTE BRYAN: We submitted a petition for the underground conduit on Monsignor O'Brien Highway, but we hadn't submitted these yet, I don't believe.

CHAIR ANDREA JACKSON: That's a new petition.

SUPERINTENDENT OF STREETS WILLIAM DWYER: I think it is a new petition.

EVERETT BRYAN: These are all private ways. We have an easement for them.

CHAIR ANDREA JACKSON: But at the very least, we still have to advertise it.

EXECUTIVE DIRECTOR ELIZABETH LINT: They have to advertise it.

EVERETT BRYAN: We have met with the abutters, with the people that own the property, and they are in agreement with doing the work.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: This is private way that may be taken over by the

city at some point?

SUPERINTENDENT OF STREETS WILLIAM DWYER:

It will be taken over. Parts of North Point have been at this point.

EVERETT BRYAN: We can submit a petition after. Once you accept it, if you would like, we can submit a petition then.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

What is the procedure prior to acceptance of a street?

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Just the fact that you need to submit the petitions prior to. We didn't have a chance to inspect the area and see what the effects may be.

CHAIR ANDREA JACKSON: We haven't posted it. The municipal code requires that any items we discuss have to be posted with the city clerk 48 hours prior to the hearing, so we can't even entertain this.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

We need the abutter notifications.

CHAIR ANDREA JACKSON: Right.

EVERETT BRYAN: I'm confused here because normally on private ways, and private property, if we have an existing easement that covers our facilities and the right to extend, alter or remove, it should not require anything from the municipality.

EXECUTIVE DIRECTOR ELIZABETH LINT: We need notice of it, particularly where the city is going to accept them as public ways.

EVERETTE BRYAN: That's why I wanted to bring this in and let you know what is going on.

EXECUTIVE DIRECTOR ELIZABETH LINT: And we would need a copy of the easement.

EVERETT BRYAN: I can get you a copy. I don't have an extra copy.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

That would have to be filed with the application.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Where did you get your information that Leighton Street in North Point was still private ways?

EVERETTE BRYAN: That's what the property owner said, and they said it had not been accepted. I thought the last time we were in hearing here, it was stated you had not accepted them as of yet.

EXECUTIVE DIRECTOR ELIZABETH LINT: I

think we need to look into that.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Now, Public Works does maintenance items on these streets as of three years ago that we never did before. I was under the impression there was agreements either in place to take over acceptance of these streets or -- I'm just a little bit confused, I guess, on this that. I thought they were accepted.

EVERETT BRYAN: According to the property owners, they are not. They are still private ways.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:  
Even if it is a private way and it is going to be accepted, it still needs to go through the process.

SUPERINTENDENT OF STREETS WILLIAM DWYER:  
I know there's been additional storm water work, sewer work and water work and it is all permitted and reviewed by all the departments as a regular accepted street would be. At some point the city will take full ownership of that area.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: It needs to go through a regular process of application.

EVERETTE BRYAN: As a petition for what? It is not public way, as I understand it. We don't normally petition for anything on private

ways.

EXECUTIVE DIRECTOR ELIZABETH LINT: We don't know for a fact that they are not.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: Right.

SUPERINTENDENT OF STREETS WILLIAM DWYER: You know, some private ways may never be taken over by a town or city.

Cambridge knows, at some point, we haven't already, we are going to take ownership of these streets and ways, so we need to have a record of everything and have permits and things on file that to know what work has been done.

CITY ELECTRICIAN STEPHEN LENKAUSKAS: What is their request by bringing this forward?

EVERETTE BRYAN: The property owners wanted us to inform you because they were aware at some point the city wanted take of the streets, and they said it would be nice for you

to inform them what you plan to do. They didn't anticipate a public hearing would be required either.

CHAIR ANDREA JACKSON: So we are just taking this as an FYI?

CITY ELECTRICIAN STEPHEN LENKAUSKAS: FYI with the recommendation to file a petition?

SUPERINTENDENT OF STREETS WILLIAM DWYER: Right.

EVERETT BRYAN: Let me ask you this, because this is a -- I'm sure you are aware, it is a high-priority project and we are getting a lot of pressure of getting this done as soon as possible, if we could do the actual work on the private property under the benefit of the easement that we have, follow through with the petition to the city for locations once it becomes accepted as a public way?

CHAIR ANDREA JACKSON: We can't do

anything with this today because we don't have it on the agenda.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Right.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Correct.

EXECUTIVE DIRECTOR ELIZABETH LINT: And

we need to see if any of those locations have been --

SUPERINTENDENT OF STREETS WILLIAM DWYER:

I don't think we can do anything right now with this.

EVERETT BRYAN: I didn't anticipate you would.

They asked me to bring it forward so you are aware of the status of the project and so forth.

I knew it would be continued since we didn't have the state permit in hand. Just

wanted to let you know what was going on.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Okay.

CHAIR ANDREA JACKSON: I don't see any other matters before us. I make a motion adjourn. Is there a second?

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Seconded.

CHAIR ANDREA JACKSON: All those in favor signify by saying aye.

CITY ELECTRICIAN STEPHEN LENKAUSKAS:

Aye.

SUPERINTENDENT OF STREETS WILLIAM DWYER:

Aye.

(The meeting was adjourned.)

## ERRATA SHEET

INSTRUCTIONS: After reading the transcript, note any change or correction and the reason therefor on this sheet. Sign and date this errata sheet.

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