

Call to Order:

The meeting was called to order in the Cannery Village Rec Center at 6:30 PM on December 16, 2020 by Councilman Sam Garde

Role call:

Councilman James "Sam" Garde, present
Councilwoman Randi Meredith, present
Lee Revis-Plank, present, virtual
Walter Tydings, present
Miki Mathe, present
Steve Callahan, present
Chief Harvey, present
Greg Wingo, present

These minutes shall be the final minutes when approved by the Ad hoc committee. The discussion was recorded, then transcribed by Councilwoman Meredith. The recording is available in Town Hall. Additional documents were handed out or emailed to members of the committee.

Sam: Any additions or corrections to the agenda?
Delete the minutes of December 8
Entertain a motion to approve the agenda.

Randi: Motion to approve the amended agenda.

Walt: Second
7-0

Sam: Any comments on the minutes of 11/30 and 12/3?

I have a handful of comments, I will give them to the secretary. With a thank you to the secretary for preparing the minutes. The detail is excellent. Anyone who reads these will know the committee delved into things.

Miki: Question on outdoor lighting...

Sam: Old business Any new discussion on approaches? I'll give it to you on b.
Any thoughts on the mission in the resolution. If not, I'll go to b. Reports from members on due diligence.

Miki: I went to the library in Lewes, that looked pretty good. But it wasn't on.
I was looking for the lighted portion of r-to-t in Lewes. The only portion that is lighted is the parking lot lights that happen to light the trail.

Sam: If I led you to believe otherwise, I apologize. The newest section has no specific lighting but the is light on the trail from adjacent properties. PW center, the tower, other lighting lights the trail.

Miki: There's a section of trail behind houses like our trail.

Sam: It is not specifically like our trail.

Miki: Right, it's not specifically like our trail, but the was ambient light to see down the trail to walk.

Sam: Much more light; from the library to the canal.

Miki: Question: Outdoor lighting process for Milton rails-to-trails.

There's a cost on page 1, \$21.81 is that the cost of 1 pole with the light? Or the head of the lights

Walt: That's the cost per month, maintenance and usage.

Miki: What's the cost of the Granville.

Sam: I think that was passed out.

Greg: Our cost?

Miki: How much does it cost?

Greg: \$21/\$22.

Miki: What is the cost of the light, not maintenance?

Greg: Around \$80,000.

Miki: I just didn't know what this was.

Sam: Greg did this research, and it was presented in writing.

Anyone else.

Randi: I did some research on bollards. They are called Veelights. But they were only available in Ireland and the UK. So, I emailed them to see if they were available in the US. They connected me with a manufacturer in Colorado, and connected me with a guy name Mike. They come in 3 heights, 36" 47.25" and 60".
So, I gave Mike some info about our trail, the length, I told him it was 12' wide but it's actually 10' wide (confirmed with Greg). He replied with a drawing that shows how the light would project down and across the trail and along the path using the Kassio 1200.

Sam: That's in tonight's handout.

Randi: Yes, I emailed it.

Greg: I didn't copy the email. I printed the spec sheets.

Randi: He recommended 65 bollards at 38' apart on one side of the trail. We could use fewer if they were staggered on both sides of the trail. We could change how much light each bollard puts out to reduce the number of fixtures needed, but that would mean they would be brighter which is less preferable.

Miki: I don't believe we need the lights to overlap. I looked at the Phase I tonight, that's brighter than any runway. Way too much light.

Sam: Phase 1? Yes, I said that as well.

Miki: WE just need to... IF you look at lighting throughout Milton and W Shore Drive. There are big lighted areas and enough ambient light.

Sam: We haven't voted on spacing. But the way, Greg and I suggested spotting the lights. We've only approved 4 lights on one segment and in the draft recommendation there is the summary of Greg's diagram, 1st Granville 150' from the last one in phase 1. They are on 100' centers. Our first one won't be right on federal st. 150', then 176', then 150' to the bridge light. That hasn't been voted on, location. Number is approved. Three Grandville and 1 box. I emailed the draft recommendation. Shows the location, HPS, shoebox should have additional shielding.

Lee: I walked the trail twice, and I think the spacing recommend is perfect. I move that we approve section 1 [Federal Segment] as recommended.

Greg: Real quick, you're voting now on the location?

Sam: Yes.
Its in the draft memo.

Randi: The Federal Segment?

Sam: Yes, we have a motion and a second.

Miki: I don't want to rehash. I'm still concerned it's too much light. 3 would be better than 4.

Sam: We already voted on the number of lights. We didn't vote on spotting. Any other discussion? The motion is to approve the specific recommendation of the Federal Segment as drafted in the draft memo.

7-0
Motion approved.

Sam: Excellent. Now... I have under old business discussion on remaining trail segments. Partially did 7a. So 7b.

Miki: 7a, I still want to talk about the lighting. Sorry, nevermind. Foggy glasses.

Sam: You see this on the next agenda. Light for Little Hill.

A suggestion has been made, but me and Greg. It's not gospel, hasn't been voted on. A suggestion to discuss. Hopefully a vote can be taken.

Miki: I saw the spacing stakes. It seems like there is a railing off the bridge and that goes to the y and I thought that was where the box light would be. I saw those stakes, and I maintain that we don't need the middle one. There will be sufficient light with the Grandville at the top and bottom. I stopped there tonight and turned off my lights. Dark, cloudy rainy. Without lights on you can see the trail. So, when you have the light in the back, it should be sufficient. I propose we only use 2 Grandvilles. I don't believe you need a light in the middle.

Sam: the reason for this, is a difference of opinion on the amount of ambient light. And because the trail has two curves. Its particularly dark due to canopy. So respectfully, I'm willing to compromise. The reason we put one across the street on West Shore Drive was because the entrance is pretty dark, there is ambient light there.

Miki: The lights throughout Wagamons are far apart, when you're walking at night you can't see as far at night as during the daytime.. there is sufficient light there to see the trail and any objects. If you put another light there, you are disrupting the community. I believe the light at the top and the bottom should give you ample lights where the curves are, and you'll have ambient light from the shoebox.

Sam: You would have a total of 3 lights.

Randi: Which are you proposing taking out?

Greg: Miki is proposing taking out 7 and 9. [from Greg's drawing].

Sam: The reason is the 2nd shoebox light is part of Little Hill proposal.

Miki: Oh ok, I understand.

Steve: You are saying 7 and 9.

Miki: I'm saying 7 & 9 are not necessary.

Steve: As this is laid out, I am in favor of 7. That part is very dark, you need more than ambient light. Why is 9 across from the trail.

Greg: Back to 7 that's the darkest part of the trail. 270-280' apart will not be enough light. The reason for 9 is to light the entrance light for the trail. We won't put in another light to back in the corner for number 8. It's not lit up great. So that's why we were proposing that light on the roadway.

On the trail side you have a house 30' off the trail. And on the other side, a house is going to be built. So we thought that would be the best to light the trail and get to number 8.

Sam: We're talking about 5-9. I think the 9th one, I like it, and we're allowed to do that. Naturally we would shield the house. Number 8 would have shielding or partial shielding for the homes.

Lee: The last one on W Shore drive, the position is between 2 houses and neither will be negatively affected. I like the proposal just the way it is.

Walt: I walked it day and night. I was surprised when walking back to the fence line, there is existing light on 1 house 150' from the entrance to trail, 70' away on the same side, but they don't provide enough light. I made my observation of #8 light. It's easier to put it at the trail entrance, but it's too much light for the 3 homes there. Where 9 is, back to the house behind it, is furthest from the street, it can be shielded. Looking back up from 8 its dark.

Sam: That was my feeling when walking at night, there's no way to visualize it. The entrance by itself, Miki will disagree with me, I think we need more light at the entrance. I thought across the street, is a creative solution as opposed to on the trail. I think we can make that recommendation and it is achievable recommendation And our PW supervisor says it can be done.

Greg: that's correct.

Miki: I just want to make sure the trail isn't significantly brighter than the streets or you're going to have a lot of upset folks.

Sam: The only place it may be a bit brighter, by a physical examination as opposed to a designed or engineered examination is right at the bridge because of the box lights. Which is why we stated, at least on one end of the bridge, that the backside of the box light be shielded. Which will help the residents in the dark, and residents in houses and the furry and flying creatures in the forest.

Miki: I think all those should be shielded on the house sides.

Sam: I'd like to continue the conversation.

Steve: I like this recommendation

Chief: I have nothing to add.

Sam: you are allowed to vote against. Vote your conscience.

Miki: I just don't want that trail lighted up like that section. If you walk at night, its going to be dark. It's overkill.

Sam: This is my judgment, its not an absolute.

Miki: I believe there would be enough light with fewer fixtures.

Greg: Its over 200'

Sam: They are actually very far apart. 160' from the box light, this is 1.6x farther apart than on phase 1. The next is 136' between 6 & 7. What's the distance from 7 & 8?

Greg: 136'

Sam: so were on 136' center instead of 100' like on phase 1. Can I have a motion for a plan to submit.

Miki: Break it into two motion. First do we want lights, second what lights. I make a motion to light the Little Hill.

Walt: Second

Sam: any discussion?

7-0 Motion passes

Randi: Motion to place the lights as recommend by Greg's drawing.

Second.

Sam: Any questions?

Randi: Do we have to specify the shielding now?

Sam: Yes.

Randi: I amend my motion to include shielding of the box light on the north side and the Grandvilles on the residential side.

Sam: We have an amended motion and second. Place the lights per Greg's drawing with shielding of the box light on the north side and the Grandvilles on the residential side.

Role Call Vote:

Miki: Pass
Walt: yes
Randi: Yes

Harvey yes
Steve yes
Lee yes
Sam yes
Miki yes

Sam: I want to take one more motion on this for the type of light.
Some form of LED lighting or HPS.
The reason for HPS in the Federal Segment is to keep it in line with the rest of town.

Walt: Do the shoebox come in HPS?

Greg: Yes

Walt: You don't want to mix LED with HPS.

Sam: In Grandvilles the only LED that might be acceptable is the 2400k. It is more subdued but it's not near as far as the HPS. HPS is the rest of town. From an aesthetic standpoint is best for Grandvilles.

Randi: Greg, aren't there lights in town that have LEDs?

Greg: There's only one street-side by memorial park.

Randi: Is that the plan going forward to switch over to LEDs?

Greg: You have to request that from Delmarva Power for the lights they own. But on some changeouts there is an associated cost.

Sam: Having 1-2 LEDs doesn't make a lot of sense to this member of the community.

Walt: My concern is the transition from HPS to LED is not a good thing. You need time for your eyes to adjust.

Sam: We already voted to recommend HPS on the Federal Segment.

Greg: I think we should be consistent with that.

Sam: I think we should have a motion for HPS.

Randi: Motion to use HPS on the Little Hill.
Second.

Sam: Any questions?

Role Call Vote:
7-0

Sam: Another unanimous decision.
Now to Lavinia Segment

Miki: I recommend we do not put lights on that segment. That segment goes nowhere. It's used extensively during the day. I knew there would be a trail there. I insisted to my wife that if we couldn't get a lot adjacent to the trail, we were going to buy one there. I didn't know about the light. I don't think there is a sufficient number of people to justify putting lights there.

99.9% of the time there will be no one on that trail.
[exaggeration]

WE just voted for lights on two segments with light, they can walk into and out of town, that is a purpose. There is no reason to light that section of the trail for recreation. I don't believe the town should spend the money to provide for a very small segment of the population for recreation.

Lee: I respectfully disagree for two purposes. The first is town-wide safety. Our chief has expressed the desire to have lighting there for the safety of the community. Second, I don't think that taking a walk at night is purely for recreational. It is health related and a number of people would use the trail if it were at least dimly lit. It doesn't need to be as lit as openly as the other segments. We should at least be able to see our feet while we are walking.

Sam: Thank you, Lee.

Walt: One important observation. Randi, I do appreciate the due diligence you've done, all this research. Sam and I discussed different types and styles of bollards.

It's been my contention all along that if we light this segment of the trail, it should be with bollard lighting. Directed away from property owners.

Delmarva Power with not provide or install bollard lighting. Bollards would be installed by a public bid. If we can't agree that is should go out for bid, to be installed and maintained.

Delmarva will not install this.

Sam: Thank you for the clarification. Agree that if we light it, it should be low-level that lights only the trail. Every effort to prevent light going backward and upward. We don't want to shine lights in their homes. We have options for the lighting the trail and not lighting backyards. We haven't pursued them all, but I have found 3-4 manufacturers. But my thought was, only 2 of them don't provide shields. There are some like Councilwoman Meredith found are the ones that shine down. The shining down ones they have them on both sides. The light about 15-20 feet, so that type of lights would require a greater number on our path.

Randi: What I don't like about the Holophane bollards is the light is just pointing out and that is uncomfortable for my eyes. I would prefer the are directed at the ground.

Walt: Our charge is to pick out the type of lighting not the manufacturer.

We should recommend a bollard style light.

#1 We're going to light Lavinia

#2 its bollards

Then the type and style would be chosen at a different time.

Sam: The more specific this committee gets, then it takes it out of the hands of others. If our recommendation is accepted, then someone else does the due diligence. Leave it up to PW or someone else to select the type of bollard.

The more specific we get it takes the heavy lifting off others.

Walt: One of the residents of Wagoners, an electrical engineer, he said the process should be

We want lighting

Bollard style

Then put it in the package that they bring in a lighting engineer to find the lighting that fits our needs.

Let them come back. Like Randi has done.

We let them do the work.

Sam: If we do our job, we will have made it specific enough there will be little doubt about what we want.

Greg: We have until June 1 to have this completed and paid for. If its not, we will lose the money.

Randi: did you say completed?

Greg: Yes.

Walt: Completed? Not under contract?

Greg: Completed I have the paperwork. I had a conversation with Mrs. Rogers. It says June 1 it must be completed and paid for.

If I could add, originally, we were talking about shoebox lights for the complete light.

This Kassio light is a good light and its directional.

My recommendation is to go with a bollard light style like this. We don't have to worry about shielding or directing it.

We just have to come up with a number of lights.

I would not recommend 60 lights. Maybe space them out more, stretch it a bit more. But this is the kind of light we should get.

Miki: What's the height?

Greg: There are 3 heights. I recommend the tallest, 59'

Sam: I don't think we need it that high.

Greg: To stretch the lights out, the height will help.

We don't need as many lights as was suggested.

Sam: 60 lights on the trail, so they would go down significantly.

Greg: Comparing the Holophane to the Kassio, it's a directional light, and that's what we're looking for.

Steve: What height are the diagrams for?

Randi: That's for the Kassio 1200 lights. The med height
He said we could increase the number of LEDs per bollard for up to 3x as much light, and that would decrease the number of bollards needed overall down to 45.

Miki: How bright is that?

Sam: we would have to set the temp and wattage of the LED. The temp should be as low, the lower the temp the more orange the light. It makes a type of light that's not like new 2021 headlights on cars. It won't be a blue-white.

Steve: I think it makes sense to have more light with a lower output.

Walt: Who would provide this?

Sam: A contractor. We spec the lights closely enough to direct the contractor. We could put the Kassio in the spec and bid it among electrical contractors, that would be our procurement procedure.

Steve: Is this style of bollard have ... *muffled*.

Walt: Different manufacturers make similar lights to it.

Steve: *muffled*

Walt: Would it be possible to have Delmarva Power to do their section and another contractor come in from the other side so it's all done at once.

Greg: We would have a contractor come in and do all the boring for conduit for all three segments. DP would do their thing on two segments. And on Lavinia DP would drop in the electrical box. And then the contractor would tie in everything and install the bollards. All in one contract. It wouldn't be split up.

Walt: I recommend 60' between bollards to stretch it out.

Sam: we can specify that.

We can use ASHTO? There are specifications for lighting bike trails, and they specify how much light per square meter... We can specify every 50', 30' or we can leave it up to them to specify adequate lighting.

Walt: Manufacturer specs will be the way to do it.

Chief: They are selling stuff, so they want to spec more.

Sam: We could say, no less than x number of feet between. Then it can be greater but not less.

Miki: The more we give them, the better.

Walt: when this is out for public bid, we can say similar or equal to. For government lighting we cannot call for a specific manufacturer.

We can say similar or equal to.

Sam: The minutes of 11/30 say that I said June 30, that is incorrect. It says June 1. Greg, I thought it was all the money committed.

Greg: The convo I had with Mrs. Rogers today. She said it must be completed and paid for by June 1. We have very little time.

Randi: Is it possible?

Greg: Yes, we just have to keep moving forward. I recommend the Kassio bollard, and stretch the light spacing. If they say 38' center I want to push for 60' centers. Then we won't need so many bollards.

Walt: Let's hire an independent lighting engineer. Let them make the specification including the type of fixture. *Muffled*

Sam: If we don't specify a specific bollard, we need to include enough technical data.

Greg: Before you put it out for bid you have to specify exactly what you're looking for. Saying a direction bollard light, you can't do that. You need to specify exactly what you're looking for so they can get their bid in to you.
Spec the distance, 50-60' feet. To light the trail, not affect the homes. And the I think the 59' height is ideal.

Sam: 59" is too tall.

Steve: Is it realistic to put it out for bid and get it done by June 1?

Greg: M&TC votes Jan 4. We can have the packet out 2/1. 1 month for bids to come out. M&TC approve it. It will take maybe 4-6 weeks to complete it. They have conduit, the lights would be the only thing, if it gets backordered. It could be noted in the spec book, "project must be completed by".

Walt: It doesn't sound right. Can you clarify with Kristy? DelDOT pout the grants out.

Greg: That wasn't part of this grant money.

Sam: There is a grant, and the grant document has a deadline date of June 1. I don't have it with me.

Randi: The timeline on everything is adjusted due to the pandemic.

Sam: We may be able to ask for an extension, but that shouldn't be part of our decision.
Thanks for bringing that up.

Miki: Yes, thanks Randi.

Muffled

Walt: The timing is critical to what we do here. Greg says it can be done.

Muffled. Sam reading the contract.

Randi: What does that mean?

Sam: It means we have to be done.

Miki: I make a motion that the Lavinia Segment not be lighted.

Sam: Do I hear a second?
Is there a second to the motion to have no lights?

Walt: Can we say no lights?

Sam: We have the ability to recommend that. I think it will be rejected. The TC believe the charter is to customize lighting for phase 2 such that it makes a compromise with what was done before.
Without a second the motion dies.

Miki: Fair dues.

Sam: I will entertain a motion to light the Lavinia Segment.

Miki: Let's see if we can nail it down.

Sam: I have this room reserved for the 23rd.

Miki: I think we can come to a decision.

Sam: Walt, how should we proceed, as a professional?

Walt: We discussed a lot, I still have way too many questions.
We need to specify that only bollards be used, directional.
This is a revelation to me that Delmarva doesn't do the conduit.
I'd like to split it up....

We can suggest the Kassio light, specify the spacing, 50-75 feet, I'm guessing. I still feel it's to the benefit of the town to bid out the type of lighting.

Sam: We have a town engineer. WE have an open contract. They have to get involved anyway. The generally put forward a draft that gets commented on by town hall, PW. The same as other engineering projects. Pennoni puts together the tech specs. Would you like to clarify that Greg?

Greg: Pennoni will put together a bid packet, we'll review and comment. Then it goes out for bid. I want to stress I really like the Kassio Light, there are other cos out there that make a similar light.

Sam: The other companies weren't robust enough. They look like personal path walkways for a home. Just not rugged enough. The Kassio looks like it is strong.

Miki: Let's make a list of attributes of the directional bollard that we like. No taller than 48"

Lee: About 50' apart.

Walt: Time is of the essence.

Sam: Lowest LED temperature. No higher than 2700k.

Randi: If the lights have more LEDs then we could use fewer fixtures. That would not be my preference, but that is a possibility.

Sam: The bright/bluer will make people hate them. Closest to orange as we can get them the better. 2700k. Grandvilles have 2400k, much closer to HPS.

Walt: The minimum of an LED is 2700k up to 6000k.

Sam: we want the lowest. Holophane sent us a 2700k.

Walt: Kassio is a 3000k. Not much of a difference from the 2700k.

Sam: Preferred temperature.

Walt: Lights efficiency is not affected by... *muffled*.

Miki: I would like a timer switch to turn them off at 10 or 11pm.

Sam: A time to come on at dusk. There are people that use the trail at before or after breakfast. People come out after work.

Miki: The lights come on at dusk.

Sam: Photosensitive to come on and off at dusk.

Miki: Switches to turn them off at night.

Greg: For safety purposes we will keep them on.

Chief: It's for safety of the...

Miki: *Interrupts the Chief with a raised tone;* Excuse me, I'm sorry, but that trail has been open for over a year, and there hasn't been a single safety incident. If you put lights there, it will attract people. How often will you patrol that area? 2, 3, 4am? If you're not... muffled.

Chief: That all sounds good, but the Memorial Park is closed after dark. We still have lights there keep people out. It's still a little problem but not as much. If one of your neighbors is outside walking a dog while someone is getting... vandalized, they have a chance of viewing and can potentially be a witness.

Muffled. But I, Randi, think I heard Miki agreeing with the Chief's point.

Lee: Lit from Dusk to Dawn. Consistent with other areas that are lit in town. We have tried our best to compromise with a directional bollard, and that's the best we can do.

Steve: Motion to light trail from Dusk to Dawn. Second Randi

Sam: Any discussion?

Miki: There's not enough people out there, part of the backyards are going to be lit up. You'll have lights on just in case someone takes a pleasure walk. I don't believe it's a safety issue because Lavinia doesn't have as safety issue.

Motion Carried: 6-1

Miki: No

Sam: Now with respect to bollard lights: Directional bollards shielded complete from the back.

Randi: Shielded from the top too.

Sam: Ok. Yes.

50' apart unless required for some other specification. Lowest level light, prefer 2700k Photosensitive, dusk to dawn Similar or equal to Kassio 1200

Steve: Specify the height of the bollard.

Randi: What color would the bollard be? All colors in the RAL book are available.

Sam: Consistent with the town. They are black.

Steve: Is the Kassio a product of Ragni-Lighting?

Randi: Yes.

Miki: The light should cover only the path.

Walt: That's why this light is ideal.

Miki: Not straight down.

Lee: Is this the bent pole?

Randi: No. The pole is straight, but the light is angled.

Discussion of Kassio charts.

Walt: 3000k is still very warm. Its close enough to the HPS. The CRI

Miki: What is CRI?

Walt: Color Rendering Index. The eyes ability to differentiate different colors.

Sam: Greg, talk about the height.

Greg: The taller bollard would reduce the number of fixtures farther apart.

Sam: 4' is enough that has to do with the residents.

Miki: 4' so you don't have to look directly into the light.

Sam: the brightness is the color and wattage.

Walt: the wattage.

Sam: Do we need 70-100 watts?

Walt: 36watt LED is equivalent to 150watts.

Greg: They have 4000.

Sam: As long as its not bright white.

Walt: They offer and 8-LED and 16-LED array. The internal operating voltage.

Walt and Sam back and forth over each other about wattage, miliamps, and other technical specs of the Kassio 1200.

Walt: This is available in an 8 or 16 LED array. Strictly a choice.

Sam: What does number of LEDs mean?

Walt: Lighting arrays are the number of individual LEDs in there. You can choose 8 or 16.

Sam: So, 8 or 16? You're the professional.

Walt: Fewer fixtures needed with the 16 LEDs.

Sam: I would prefer the 8 LED

Greg: I would prefer the 16 LED

Sam: I would prefer more fixtures with a lower level of light output.

Greg: Repeat that.

Sam: **Sam:** I would prefer more fixtures with a lower level of light output over fewer poles with more light. It will be more intense with 16. I would prefer less intense with more poles.

Miki: I agree. Does 8 make it spread further?

Randi: It's like how my flashlight has a low setting and a high setting. It doesn't change the shape, its just more intense.

Walt: Yes.

On the reps recs from Randi, they are showing 8 LEDs in the 1200 series.

You can stretch this to 50' with the 8 LEDs.

Sam: Similar to Kassio 1200 with 8 LED array and 3000k maximum.

Miki: Specify that the lights go on the North side?

Sam & Walt: Yes.

Sam: Facing the trail.

Lee: Sam can you summarize?

Sam: Yes.

- Directional bollard
- Shielded back and top
- Angled lights to cover the trail
- Min 50' apart
- Lowest temp available prefer no higher than 2700k
- Photosensitive dusk to dawn
- Similar or equal to Kassio 1200
- 8 LED array
- 3000k or less
- Black
- North side of trail
- Facing Trail
- No higher than 48"

Do we want to specify wattage?

Walt: Yes, if we specify the Kassio its already covered.

Sam: Are we smart enough to specify the 350miliamps or 800miliamps. Does that sound right to you?

Sam: An 8 LED arrangement, approx. 14.5 watts. We can probably have a virtual meeting for our next meeting. We will discuss the document for M&TC. We already approve the Federal draft. I'll get it out quickly.
Walt, we are looking to you to ensure we covered it properly.

Randi: Can our recommendation have a drawing in it?

Sam: Yes, sure.

Miki: What words to convey that it goes out to bid, etc.

Sam: I will do that to comply with municipal procurement procedures.
Greg has the experience with this type of project.

Greg: It can be done. After the Jan 4 vote, we'll go for them. Design a spec book and put it out. Everything we've discussed will be in the spec book.

Sam: Can we spec local contractors?

Greg: No, you can't say local.

Sam: So just say comply with town procurement procedures. They know what to do.

Miki: I don't know what to put down as a motion.

Sam: I'll try to be a little more organized.
Chairman don't make motions.

I will entertain a motion to recommend to M&TC that Lavinia segment be lighted with:

- Directional bollard
- Shielded back and top
- Lights angled to direct light toward the trail
- Min 50' apart unless required otherwise
- LED with lowest temp available, prefer no higher than 2700k, as close to HPS as possible
- Photosensitive on from dusk to dawn
- Similar or equal to Kassio 1200
- 8 LED array
- 14.5 watts
- 3000k or less
- Black fixture
- North side of trail
- Facing Trail
- No higher than 48"

Greg: Correction. Lights should be directed toward the trail.

Randi: Black or Brown fixtures? I prefer the bronze. It would be less visible in the forest setting.

Sam: I prefer the black to match the town.

Miki: So moved.

Walt: Second

Sam: Questions or discussion?

I have to write this up. I can clarify this.
You need to have a chance to see the draft. I will have it to you before the next meeting on 12/23. Should be 10-15mins. We have to vote on a document.
We can do it remotely. It needs to be an open meeting. With dial-in.

Miki: Can we vote by email?

Sam: No.

Role call vote:

7-0

Sam: Thank you all very much. We have had disagreements, but they have not been disagreeable. I hope everyone feels they've had their say. I am pleased.
Councilwoman Meredith has some minutes to do.

Sam: One of the rules of FOIA is the need for transparency, everyone needs to have the opportunity to attend.

If I send an email out, you cannot reply all. That would become a meeting and we can't have a private meeting. You cannot Reply-all.

Its normal to want to include everyone. But it's not allowed.

Greg knows.

Request for agenda items.

I intend for one agenda item to recommend to M&TC.

Randi: And the minutes.

Sam: Oh, yes.

Any comments from the public?

Greg: No comments on the lights.

Bob: Who will address the flooding on the Lavinia end of the trail?

Greg: That doesn't pertain to this committee.

Sam: Agree. That should be brought to the town manager.

Miki: Does the flooding affect the electrical conduit?

Greg: That area can have the conduit run on the other side and run stringers to the fixtures.

Flooding is because of the rain. There is a drainage area there.

Sam: It's not that deep. That's what the drainage system was designed for.

Miki: It is that deep.

Sam: That is not the business of this committee.

Muffled

Sam: Two agenda items for next meeting.
I'll find out if we can do a virtual meeting.

Discussion on meeting time.

Randi: We didn't vote on the minutes, did we?

Sam: We did.

Randi: o...k...

Motion to Adjourn
7-0

Respectfully submitted on 12/22/2020,
Councilwoman Randi Meredith
Secretary of the Rails To Trails Ad hoc Committee