

WACA/WSDOT Meeting Agenda For Wednesday, December 7, 2022

Day/Time: Wednesday, December 7, 2022, on Microsoft Teams, 10:00 AM – 12:00 PM.

In attendance:

Henderson, Donny

See, Peter

Liniger, Michael (American Rock Products)

Emerick, John C.

Hill, Kentin

Landers, Steven L

Dafoe, Katharine

Legaspi, Erica

Holt, Seth

Mizumori, Anthony

Carlie, Karen

Norton, Patrick

Waligorski, Kevin

Dave Gent - WAPA

Diego Coca

Josephson, Erik S (Redmond) USA

Johnson, Matt

Webster, Garrett

James Cannon

Evans, Ian (Vancouver) USA

Dan Dieter

Jason Stubna (Guest)

Forsyth, Heidi E (Redmond) USA

Vincent, Ryan

McIver, Michael

Davis, Steve

Dave Germer

Michael Gardner

Bower, Nate

Spencer Kull

Papich, Chris M.

Bruce Chattin

Next WACA Meeting Date: *Wednesday, March 1, 2023, on Microsoft Teams, 10:00 AM – 12:00 PM*

Future WACA Meeting Dates: *Wednesday, June 7, 2023, on Microsoft Teams, 10:00 AM – 12:00 PM*

Meeting Minutes:

The link below will take you to past meeting minutes and show upcoming WACA meeting dates.

<https://partners.wsdot-sites.com/washington-aggregates-concrete-association/>

New Business topics:

- **Introduction of our new Assistant ASA/QPL Engineer, Peter See.**
 - He began on November 1, 2022, and has been doing a great job so far.
 - Peter will be your main point of contact regarding ASA evaluations.
 - Peter: Hello everyone, looking forward to working with everyone and streamlined ASA evaluation processes.

- **Synthetic Fiber Reinforced Bridge Deck Concrete: Anthony Mizumori**
 - We have 2 projects that are both under construction. The first work that will be done will be on Purdy Creek, Contract 9763. The plan is for those decks to be constructed this coming spring, per the schedule. As far as I know, we haven't seen a concrete mix design come in for the fiber concrete on that project yet. I imagine that will be

WACA/WSDOT Meeting Agenda For Wednesday, December 7, 2022

coming in shortly. This will be the first in-field placement for this fiber reinforced bridge deck concrete.

- The second project is 9786, I-90 Phase 3, up near Easton. This project is a multi-year, multi-bridge project. The contractor's schedule, Scarcella, currently shows these bridges to be poured in 2024. Given how they've fallen in the overall project, they're a bit off, which is a little unfortunate. We're trying to get these pilot projects put out there, but I'll be looking for other projects that have potential to be used and constructed prior to that, but I haven't identified any at the moment.
 - The main criteria for both these projects are that there are parallel bridges with very similar designs. One deck will use the fiber and one won't. This will be the basis for evaluation to a large degree with those parallel structures.
- **Type 1L Cements in Bridge Deck Overlays: Anthony Mizumori**
 - Scott Sargent presented on this at the last meeting. Unfortunately, I was unable to attend. We've done more research and literature reviews in the bridge office in the meantime and took the feedback that Scott and the group received last time. We decided to move ahead with the Type 1L allowance. Right now, there is a specification change underway. I'm not sure if it's going to be a GSP or Standard Spec, but it will essentially allow for modified concrete overlays in lieu of the Portland cement specified, we'd allow a blended Type 1L cement to be used at a 1:1 replacement ratio, and that's sort of for lack of any other basis. We're willing to try that and if there are lessons learned that come from that, we can update that accordingly. Right now, that is being pushed forward as a spec change with no specific projects identified. The first projects that open that spec will have that option moving forward and we'll try to keep track of which projects take advantage of that option.
 - We had a research project that we were trying to get funded to update our overlay mix and specification in general, and that did not get funding, unfortunately. We do have another project for a smaller dollar value that will look into overlays using CSA cements, or alternate cements. This project is in the "innovative" category, so it's maybe a little bit more of a long shot as far as implementation, but those materials show potential. This is a research project that won't overhaul our current spec by any means, but if we get funding and research on board, we'd like to share the work plan with this group and get feedback on if we were to try to incorporate CSA cements into overlay practice and what sort of feedback from the industry we should consider.
- **Cement / CAPS Program Update: Katie Dafoe / Steve Davis**
 - Discussion on the current status of the CAPs program. Discuss issues and challenges and possible resolutions.
 - Katie Dafoe: Good morning everyone! We only have one manufacturer for one product that did not submit a third quarter sample. We only have one manufacturer for one product that has not submitted an October certificate or no production report. You guys are doing a whole lot better, but we also need to keep things moving along. I understand there are a lot of delays with testing on your end and our end, so if you're not going to be able to meet the deadline, just send me an email. Send it to the

WACA/WSDOT Meeting Agenda For Wednesday, December 7, 2022

CAPS inbox to let us know. I'm completely okay with it, there just needs to be communication. As far as the cements, we don't have anyone currently testing in lab, we are experiencing a backlog with our third party lab. They are hoping to have everything caught up by the end of January.

- Steve Davis: Katie alluded to the fact that we don't have anybody in the lab right now. We took two different sections and combined it into one. Katie is leading this new group, which is called our Specialty Services Section. We are in the process of hiring and we should have all that done probably right after the new year. We should be able to catch up on everything pretty quick. When we do send these out, we make sure any QPL submittals are first and go to the front, and our consultant knows that. As far as staying on the QPL and the requirements of the 3 different QCs, we're trying to take it one step at a time. Nobody wants to go off the QPL. I talked about this a few months ago at the meeting, but at the same time, we can't have Katie babysitting the entire program. Number 1 - she has a regular job to do and number 2 - we have a lot of cements on our QPL, so it's really imperative for you guys to keep track of what you have. Like Katie said, communication is the key. We're out of those "warnings," so to speak, the next step, the fourth quarter since we've revamped the program a bit, is removal from QPL. We'd hate to see someone removed from the QPL because of a missing cert or quarterly sample. In our step by step implemented approach to this, that's where we're at now. I came from the asphalt/HMA side before this position and we had a very similar situation with our asphalt suppliers. Unfortunately, it came to the removal of some folks from the QPL to get their attention to show that we were serious about it. Staying on the QPL is pretty easy, but getting back on the QPL is a little harder and more expensive. We really hope you do take this seriously. Again, we have seen some great improvement over the past year, we just need to take the next step.
- Dave Germer: Question - Many of us import cement in the Washington market. If a supplier has a cement already on the QPL and another supplier imports from the same plant, does it have to go through the full process of testing the cement again to get on the QPL?
- Katie: I may require Donny's help on this one, strictly because it not only affects me, it affects the QPL as well. From a testing standpoint, if it's already on there, I would think that we would just need documentation, but at the same time, I'm going to refer to Donny on this one.
- Donny: I think that's what we discussed before. If there's documentation that specified this cert is for this individual, and another one is for this, would essentially cover those. I think we talked about this a couple meetings ago
- Steve: That's what I remember too. For documentation purposes, we need to cover it from both companies. The documentation piece will be a little bit separate, but I don't believe we need to duplicate the testing.
- Pat Norton: Would this material be on the same barge going to multiple suppliers coming from the same manufacturer and the same location?
- Dave: It would be coming from the same location. It could be on the same ship or it could be on multiple ships going to separate people. The origin of the cement would come from the same plant.

WACA/WSDOT Meeting Agenda For Wednesday, December 7, 2022

- Pat: I know in this section we have spoken about material coming in from the same barge or ship going to multiple suppliers. I think further discussion may need to be had on multiple ships set to be coming from the same manufacturer for the same raw material, just personally.
- Dave: It doesn't make sense to me to go through a 4-month process for the same material that has already been tested from the same manufacturing plant.
- Seth Holt: I'm going to jump in wearing my old hat from the cement world. The past regime would look at it from distribution points. If it came from the same origin, I don't know if this is going to be a change, but in the past, testing happens for both locations, even though it was coming from the same origin. But what really makes sense here? At the end of the day, you guys are having issues in your lab and we're having issues with our testing, it makes sense to look at one test if it's coming from the same origin. And then on top of that, through the CAPS program, you're having continual testing. I think you kind of check two boxes, don't you?
- Donny: I think as long as we have a cert from each individual company that specifies that that's what it's for with test reports, I think there's a way we can make it work for documentation purposes to clearly define which one is for which. But if there's an issue with that, then, maybe like Pat said, further discussion to make sure we're on the same page would be beneficial. Are there any other questions at this time? I want to thank Katie and Steve for being a part of this meeting, covering that, and I appreciate your time.
- **Type I/II Cements no longer being produced: General Discussion with Industry on what the plan is moving forward regarding Type I/II cements.**
 - Donny: We had one request that said a cement supplier will not produce Type I/II cements going forward. A couple questions from Bruce went out to everybody. But one of the questions was, "How many cement suppliers are going to shift away from Type I/II and only provide Type IL? Do you see a time frame where Type I/II and Type III will no longer be available?" This is a kind of question for all you guys as far as what the future is looking like as far as Type I/II cements? If anyone has any comments or updates, that would be great.
 - Dave: I think the movement is to go to IL predominantly. I don't know if we'll ever get away from having 0 Type I/II in the market. Some of it is availability and plant capacity, and breakdowns as things happen. I think the movement is definitely going to IL, but I don't think we're 100% There yet. It comes down to production and availability.
 - Donny: As time goes and things change, we can keep that line of communication between all of us open so we're all on the same page as far as things are moving forward with that. If there's any additional information we're not seeing, I was hoping to make note of it.
 - Dave: We also have engineers on the commercial side who are only spec-ing Type I/II and not accepting IL on projects.
 - Anthony: I'm just curious, is there any shift in the industry behind going away from Type III? Is there a PSE equivalent for Type III in the works somehow, or is it sticking around for the near future?

WACA/WSDOT Meeting Agenda For Wednesday, December 7, 2022

- Donny: We can make note of that question, Anthony, and bring it up in the next meeting and see if there's any additional information regarding that.
- **Any questions on E-Ticketing, E-Construction or Environmental Permit Concerns with using RCA in Construction: Kevin Waligorski**
 - Donny: Kevin gave a great update last meeting. The meeting notes have the details of what was discussed, but I asked Kevin to be available in case there were any additional questions regarding those topics today. If you have any, now is your time. If not, you can always send them in and we can put them on the agenda for the next go-around to discuss.
 - Kevin: One thing I noted from the last meeting, we have a FHWA sponsored peer exchange we're going to be hosting in Vancouver Jan 24-25. We're going to be bringing in other states and industry, talking about how things are working in their states. We're looking to go towards a portal system. Just wanted to remind you with the dates for that piece.
 - Kevin: We've been working with the department of ecology on recycled concrete aggregate. Marco (now retired) did a lot of good work on the materials requirements, as far as using that in our projects. Now we've been working on the construction stormwater general for clarifying any requirements to try to make some consistency on that, but we haven't met this fall. It's been a busy season for ecology and our environmental staff. I believe next month we will reinitiate that and continue on with our meetings on that. If you have any questions, let me know. You can either bring them up now or send them in to respond offline.
 - Bruce Chattin: Merry Christmas and good luck at getting everything done by the end of the year. Can we get copies of some of the discussions and the direction your conversations with ecology are taking you? We're completely in the dark on this. This is a pretty big issue for us because we think we know this space pretty well, but are unable to participate.
 - Kevin: You're participating through a meeting. If you'd like to meet with me again, I'd be happy to make sure...
 - Bruce: No, we've had good calls. What I'm looking for are words on paper that indicates a direction of a concept or thought on where is this going. So whether we are alongside you or ahead of the game, we can also provide comments on good ideas or provide additional work. Otherwise, I don't understand why we can't at least get notes or summaries for this stuff.
 - Kevin: When the group has something we're ready to share, we will certainly share that.
 - Bruce: Ok. I'll go around in a different direction. We can't be in the dark on this, Kevin. I'm sorry, I've been really patient for a really long time and you've been helpful, but no information is not helpful. We need details.
 - Kevin: I'm your link, let's talk about this offline.

Additional Topics:

Due to a very busy schedule, there is no new developments on the topics below. Hopefully

WACA/WSDOT Meeting Agenda For Wednesday, December 7, 2022

this winter will give us some time to set up meetings to discuss.

- **Standard Specifications 9-23.12 Natural Pozzolan:**
- **Recycled Concrete Aggregates with MSE Walls:**
- **Naturally Occurring Asbestos in Aggregates:**
- **Discussion on Global Warming Potentials (GWPs) for Portland Cement:**

Old Business Topics:

- **Work Order process and updates: Donny Henderson**
 - **Proposed Pea Gravel Specification: Michele Britton**

Donny: Out of respect for everyone's time, we can adjourn the meeting earlier than expected. If anyone needs to reach out, feel free to do so. We will work with you on whatever needs to be worked on.

Adjourned at approximately 10:30AM