

WACA/WSDOT Meeting Agenda For Wednesday, December 6, 2023

Day/Time: Wednesday, December 6, 2023, on Microsoft Teams, 10:00 AM – 12:00 PM.

Next WACA Meeting Date: *Wednesday, March 6, 2024, on Microsoft Teams, 10:00 AM – 12:00 PM*

Future WACA Meeting Dates: *Wednesday, June 5, 2024, 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:

- **Cement / CAPS Program Update:** Katie Dafoe / Steve Davis update.
 - Katie: I got a hold of everyone for 3rd quarter items, either in process or already here. Everyone is going to be up to date for all of the 3rd quarter items, but just make sure to A) communicate with me if you're not going to be able to get your stuff submitted on time and B) don't forget to submit your monthly certs and quarterly samples.
- **9-03.21(1)C Recycled Concrete Aggregate: RCA Specification Update to include RCA Materials used for non-concrete application from unknown sources - Tier 4 – Garrett Webster**
 - We're going to be adding another tier to the RCA specification (see attached). It's a Tier 4, listed in 9-03.21(1)C.
 - We've added Tier 4 for those looking for essentially a Tier 3. However, with only wanting to be supplying a certain material. So in Tier 3, your evaluation would cover all of these materials (see attached specifications reference). Some suppliers would like to only say, supplying Crushed Surfacing, however, they don't meet the requirements for all of these materials (listed in Tier 3), so they can't be added to the QPL under Tier 3. With a new Tier 4, a supplier could say, "hey, I want to be listed on the QPL as a RCA supplier with the Tier 3 unknown sources and only be added for say, crushed Surfacing or any combination of those." If the suppliers want to be added to Tier 4, with all of them, we would probably put them over and say, "okay, you probably want to be a Tier 3."
 - This allows for a supplier that can't particularly meet the concrete aggregate spec to be able to supply RCA for the remaining materials. We've supplied this update to Bruce and I believe he's looped in some other folks. I think Bruce is out of country, so he's not here today, and he's notified us that there were no updates from the industry side.
 - We also updated the flow chart for recycled materials (see attached). You'll see here, still shows Tier 3. Once we go to the application, if it's only a select application, one of these pieces here, the evaluation will get kicked into Tier 4. Basically, it's essentially the same process as the Tier 3 evaluation, with the caveat that there's only 1, 2 or 3 materials that they're requesting to be evaluated.

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We're going to be looking to most likely put this into a GSP first, since we can't update the specs until June. We're going to try to get this kickstarted. We have a couple suppliers that really need to get this thing going, so we'll be working on developing a GSP for this. Any questions?

- Pat Norton: I was curious, with Recycled Aggregate, is it still open-ended approval, or is there going to be a 5-year expiration date on recycled sources?
- Garrett: No, currently it is an open-ended approval.



9-03.21 RCA Update RCA FLOW CHART -
GSW 10-10-23.pdf DH 10262023.pdf

- **E-Ticketing, E-Construction or Environmental Permit Concerns with using RCA in Construction:** Kevin Waligorski update.
 - I don't know that there's a whole lot of new information. I think this has been shared before, but e-ticketing, we're continuing to move forward. HaulHub was at the WACA end of year meeting. We've selected HaulHub as a portal system, so whatever e-ticketing systems that the suppliers are using, we'll get it tied in with HaulHub so that it'll come in and we'll have one system that manages e-tickets on WSDOT's side. For our implementation, we have a GSP we're about to put out that will require use of the HaulHub portal system for HMA, but optional for aggregates and concrete for this season. We'll have an option for project engineers or regions to require it for all products that require e-tickets on a case-by-case basis, a trial deal, so that will have to have a pre-approval before that. Spec would get entered into that job.
 - Ultimately, we'd like to roll it in so in 2025, all projects are supplying their tickets through the HaulHub portal. Maybe there's new information on how we plan to implement, but this has been coming down the road for a while.
 - Also, we've been working on the environmental permit issues. We've been working on an ongoing agreement with the Department of Ecology on the construction stormwater general permit requirements associated with using recycled concrete aggregate on construction projects. There are some items we want to work with Ecology to make sure we're all on the same page, basically agree on what the requirements are or are not. This is something we've been working on periodically for several months. We're getting to the end of an agreements document that we'll be able to share hopefully soon and get some feedback from interested WACA folks on that as well.
- **Synthetic Fiber Reinforced Bridge Deck Concrete Update:** Anthony Mizumori – Update
- **Research Project for CSA Cements:** Anthony Mizumori update.
 - Kickoff meeting 11/29.
 - May be some value to having the researcher (Fred Aguayo with UW) present to the WACA group for input at the march meeting.
 - *(Anthony unavailable today, will put on the next meeting agenda)*

No Updates:

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- **Standard Specifications 9-23.12 Natural Pozzolan:** Still waiting on more feedback from Subject Matter Experts. No updates at this time.
- **Discussion on Global Warming Potentials (GWPs) for Portland Cement:** Update
- **Naturally Occurring Asbestos in Aggregates:** Update.

Old Business: The topics listed below will be removed from future meeting agendas unless there needs to be additional discussion.

- **Recycled Concrete Aggregates with MSE Walls:** Dan McKernan
 - The current spec doesn't allow for RCA with MSE walls – the concern is high pH with the concrete rubble and its interaction with the reinforcement on the steel or geosynthetics with the high pH. Because the connections are buried, they can't be periodically inspected. The risk for corrosion for the connections is too high for WSDOT to accept. We're not going to change the spec on that.
 - Sterling Frye: Dan, was there any push to see if that can be a blended source of RCA at say 25 or 30%, or is it just going to be zero tolerance in MSE walls?
 - Dan: The concern is even if you blend it, it would have to be perfectly blended. If you get a pocket of concrete at a connection point and then water gets in there, it could corrode that connection. and water is added, it's 0 tolerance.
 - Sterling Frye: I was just looking back at the Recycled Concrete Usage and Aggregate Materials, the last report you guys had was in 2020, and in the conclusion, it states that this would be the last report for RCA usage. Is there a reason you guys don't publish that anymore? Seeing as you guys are really the initiative leaders behind using RCA. As a group in Washington State, I think those numbers would be valuable. Although they didn't look great even back in 2020, seeing progress on that from 2019, I think when the first report was actually put out. Is there a reason you aren't reporting on that anymore?
 - Garrett: I'm unsure why we stopped producing that report. That came out of the Construction Office. Kevin or Dan, I hate to put you on the spot, but do you know why we stopped doing that?
 - Kevin: No, I don't know why. Part of it came from a legislative requirement that we started using more recycled concrete aggregate, but I can't really answer that question
 - Dan: I don't know why we wouldn't report on it, or why we quit reporting on it.
 - Sterling: The report had a ton of good information on it. I just reread through it this morning because I'm doing a project on the usage of RCA and I grabbed a lot from that. Unfortunately, there's no new data. It's been three years. Whether we've improved as a state using RCA in projects, it's hard to tell, because as a materials supplier, I only have access to projects I've supplied. I don't have access to what the industry has supplied to WSDOT projects. I'd like to say there's been an increased usage, but with no report, it's obviously hard to tell.
 - Garrett: I have a few contacts that might know and I'll let you know what I find out.
- **Type 1L Cements in Bridge Deck Overlays**

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Thank you for coming on board and listening to what we have. Thanks to everybody that presented today and talked about their topics. We'll be back again Wednesday, March 6th. Thank you everybody.

End at 10:16AM