|  |  |  |  |
| --- | --- | --- | --- |
| **Location** | | **Time**  10:00 AM to 12:00 PM | |
| Hybrid: Virtual/MDOT HQ Room 317 | |
| **Purpose of Meeting** | | |  | | |  | | |
| 4th Quarter Meeting - 2022 | | | | | |
| **Invitees** |  | | | |  | |
| 🞎 Jeff Folsom, MaineDOT  🗹 Garrett Gustafson, MaineDOT  🞎 Laura Krusinski, MaineDOT  🗹 Ron Taylor, MaineDOT  🗹 Richard Myers, MaineDOT  🗹 Devan Eaton, MaineDOT  🞎 Kathy Parlin, MaineDOT | 🗹 Daniel Taylor, Stantec  🗹 Keith Wood, Kleinfelder  🗹 Ashley Stephens, HNTB  🞎 Andrew Blaisdell, GZA  🗹 Ben Toothaker, TYLIN | | | |
| **AGENDA ITEMS** | | | | | | | |

1. ACEC subcommittee organization
   1. Consultant co-chair: *Ashley Stephens*.
   2. MaineDOT co-chair? Member rotation?
      * *Senior designers and program manager are always on it, and Ron and Laura are always on it. MaineDOT staff is what it is. Whoever takes Jeff’s old position will likely be co-chair. Josh Hasbrouck may need to be added to this meeting.*
2. Meeting Minutes Submission
   1. *Have been posted to website. No further comments.*
3. Information Dissemination by MaineDOT (Jeff)
   1. Contracting/workload –
      * *2023 work plan update – Last night the bridge program got a draft assignment list for 2023-2025. Total $147.5 million, 83 projects, 17 preservation team’s projects (14 for bridge painting), 19 bridge improvement projects (PE only). For PE only projects – expectation is to have PDR by end of work plan. Rest of projects is a mix of replacements (superstructure/full). Some of the more major projects: Brunswick Durham Road $12 mil, Union St. George River $11 mil, Caribou Deck Truss Aroostook River $17 mil, 5 others around $5 mil. 1, $5 mil wearing surface replacement. WINs won’t be active until May, schedules due February by PMs.*
   2. Federal Grants & Federal Funding Updates
      * *Waiting on Western Ave – supposed to hear by February.*
      * *Front Office has some plans to apply for some more - TBD.*
   3. MaineDOT Staffing Update:
      * *Posted assistant transportation engineer (ATE), likely to be split between teams north and south, as well as transportation engineer (TE) II (team south) and held interviews last week. TE II was Josh’s old position – hoping to select this week and ATE will follow in the next couple of weeks.*
      * *Jeff Folsom has been promoted to assistant director, as of 12/12, need to backfill his position. Early next year likely will fill his role. He will continue his old duties until someone fills old position.*
      * *Denver Small moved up to PM in Design-Build team.*
   4. Construction Cost Estimating/Bid Result updates?
      * *Couple more projects to advertise by the end of the year, prices have been coming in okay, much better than the beginning of the year.*
      * *Camden seemed to have come in high – there will be a meeting to discuss. Two bridges on Route 1, price of steel came in high. May be accounting for escalator clause. If price of steel comes down, contractor will owe the Department.*
   5. Standards Update (BDG, PDR/PIC, CADD, Notes) –
      * *BDG update. Working away on chapters 1-3, project development, etc. Preliminary estimate revisions – likely will move towards a detailed estimate and item list, unlike the current PDR template. Seems like most people aren’t using SF estimates like it was originally intended. Getting closer to having chapters 1 and 2 for larger distribution, maybe next couple of meetings. More work to be done on chapter 3 – preliminary design. Note that Jeff plans to stay involved in the BDG re-write.*
      * *Standard detail updates in the works – FRP bridge drain connections, concrete transition barriers. Pending detailer availability.*
4. Bridge Maintenance
   * + *For superstructure replacements are you considering at scour evaluation? Might be something to consider for PDRs. You should be able to tell in Assetwise if an evaluation has been done. Feel free to ask Ron if unsure.*
     + *New FHWA reviewer – Tim Merritt from Stantec.*
5. Summary of Designer Meetings (Rich & Garrett)
   1. *October 5 – Taylor Clark (fabrication) gave presentation on updates from PCINE: prestressed solid slabs, UHPC, fatigue.*
   2. *November 30 – Tokyo Rope presentation on carbon fiber composite cable (CFCC).*
      * *Ashley noted that stainless steel strand seems to be going okay for her projects, but being the first time the fabricators are using them, there is some learning curve involved. On one project, Woolwich, they didn’t account for enough strand length beyond the end of beam, which would have caused rupture in the beam. They seem to have it sorted out better now.*
6. Geotechnical Update (Laura K.)
   1. *Aaron Gallant/Bill Davids UMaine – for about a year now – looking to get proposal to use elastic inclusion and instrument on a skewed integral abutment (maybe semi-integral). Can be outside State of Maine. Looking for candidate project. They won’t write proposal until there is a bridge to be used for it.*
7. Discussion Topics
   1. OpenRoads/OpenBridge updates. Presentation to full committee held? Copy of presentation available?
      * *Keith will ask Peggy about the presentation.*
      * *Most consultants have used OpenRoads on the highway design end.*
      * *Survey will start processing data in OpenRoads.*
      * *No project planned yet to be the first OpenRoads project.*
      * *Discuss on project-specific basis, which platform should be used.*
   2. Average bid price document available for consultant use.
      * *No updates, not sure what the future holds.*
   3. Highest Annual Tide (HAT) line – to be included in plans?
      * *Environmental office sent a website that tells what HAT is in the DOT datum at that site. Ellen O’Brien (hydraulics engineer) hadn’t heard of that term.*
      * *Keith to send website link to DOT. Bridge office isn’t familiar with it.*
   4. Open consultant questions/topics on ACEC website pending.
      * *Andy will investigate this.*
   5. **Revisit subcommittee goals.**
      * Integral wearing surfaces
        + *Brewer Connector Project – just placed deck recently. An idea to control cracking - limit temperature differential between girders and deck. Girder bays were heated. Used field staff to record temperatures at various times. Steel 70 degrees vs. concrete 120 degrees was one of largest differentials, but better than if steel was cold. Rich went up to see the deck and noticed there weren’t many cracks. Concrete was a dry mix, but even with that, minimal cracking noticed (120’ span, skewed, single placement).*
        + *There will be a meeting today to discuss the cracking issues with committee. The Department will continue to use integral wearing surfaces, but mainly on lower priority, lower volume roads, due to cracking issues.*
      * TAMEing
        + *Devan heard they may revisit guidelines. May require all closures to go through TAMEing committee. May be difficult for drillers for borings. Going to try to make it a little more streamlined. Work with PM on individual projects.*
      * Public meetings
        + *Consultants noted that they are getting consistent direction between team north/south, mainly just personal preference between PMs are noted as differences.*
        + *Team north was thinking of going back to in-person meetings.*
        + *Devan mentioned Woolwich was in-person and it went fine. No FO resistance like it was during COVID shutdown.*
      * Detail-build
        + *Not seen as a hot topic for committee goals.*
        + *Augusta Rines Hill had g-beam as a bid alternate – wasn’t selected.*
        + *Solon is coming up – might be a good chance.*
   6. Other –
8. NHDOT ACEC Meeting Topics
   1. *Please let Dan know if there is anything the Department wants to ask about, as Q1 2023 is his last Maine subcommittee meeting.*
   2. *NHDOT doesn’t use integral wearing surfaces too often due to noise. Most bridges have wearing surface.*
   3. *Bridge maintenance noted that they saw good concrete performance with lightweight aggregate.*
   4. *NHDOT posts weighted average bid prices on their website as PDF.*
9. Future Discussion Topics
   1. Training Areas
      * *NHI AASHTO LRFD Superstructure Design – February*
      * *PCINE Workshop – looking to schedule early spring.*
        + *Last was about 4 years ago – half day workshop.*
10. Subcommittee Rotation for Consultants
    1. Active:
       * Dan Taylor, Stantec Q2 2021 thru Q1 2023
       * Keith Wood, Kleinfelder - Q1 2022 thru Q4 2023
       * Ashley Stephens, HNTB Q2 2022 thru Q1 2024
       * Andrew Blaisdell, GZA Q2 2022 thru Q1 2024
       * Ben Toothaker, TYLIN Q4 2022 thru Q3 2024
    2. Future:
       * *Shannon Beaumont, Fuss & O’Neill Q2 2023 thru Q1 2025*
11. The Next Meeting is set for: **March 14**