

**Location:**  
NHDOT- Large Highway Design Conference Room

**Time:**  
10:15 AM to 11:30 AM

**Purpose of Meeting:** First Quarter Meeting 2020

**Invitees:**

- |                                                                        |                                            |
|------------------------------------------------------------------------|--------------------------------------------|
| <input type="checkbox"/> Loretta Girard Doughty, NHDOT (Administrator) | × Dan O'Connor, Collins                    |
| × Angela Hubbard, NHDOT (Co-Chair)                                     | × Kim Smith, H&H (Note Taker)              |
| × Joe Adams, NHDOT                                                     | × Steve Hodgdon, HNTB                      |
| × John Poisson, NHDOT                                                  | × John Watters, GPI (Co-Chair)             |
| × David Scott, NHDOT                                                   | <input type="checkbox"/> Adam Stockin, WSP |
| × Tony Weatherbee, NHDOT                                               | × Tom Levins, GM2                          |
| × Bob Juliano, NHDOT                                                   |                                            |
| × Mike Mozer, NHDOT                                                    |                                            |

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**1. Department staff changes (promotions, new-hires, retirements, etc.)**

- a. Loretta Girard Doughty - new Bridge Design Administrator
- b. Paul Lovely - new CEII
- c. All positions currently full
- d. Jerry Zoller is back in office

**2. Summary of In-House Design Section staff meetings**

- a. December 2019 (no meeting)
- b. January 2020
  - i. Deck overhang concrete spalling in Nashua
    1. NHDOT detail of forming the deck overhang from the bottom of top flange is to continue unless there are future issues with concrete spalling from the deck overhang. See the NHDOT January 2020 staff meeting minutes for additional discussion.
- c. February 2020
  - i. Highway Design is transitioning to 3D design (Open Roads), bridge plans remain as 2D, not requiring a 3D model from consultants at this time unless directed otherwise by the Bureau of Bridge Design for complex or large projects.
    1. Input from consultants noted that some big, complex bridges are using 3D/4D/5D in other states. Some states include it in the contracts, other consultant leading for constructability.
    2. Bentley software with leap concrete and leap steel links with Open Bridge
  - ii. AASHTO agenda items being reviewed prior to June meeting
  - iii. Galvanic corrosion discussed, dissimilar metals and connections – **Angela will post presentation to NHDOT/ACEC website** and information may go out as a memorandum prior to updating BDM.

**3. NHDOT Information for Consultants**

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- a. NHDOT Bridge Manual Update
    - i. Still working on remaining sections of Chapter 7 and updating Chapter 6
    - ii. More changes to existing sections before new sections can be written
    - iii. Concrete pay limits and item numbers for bridge rehabilitation will be revised, per Contractors' request
  - b. Discussion of consultant service improvements – what big picture items do consultants need to improve upon to help NHDOT advance projects?
    - i. Pre-scoping meeting for large projects might be useful
    - ii. NHDOT working towards standardized scope and fee matrix which should help improve process
    - iii. Consistency of deliverables. Varies between consultants. Standardized scope would improve process
    - iv. Increased statewide contracts beyond \$1m would require fewer standalone contracts to negotiate
    - v. Would there be a benefit to using environmental on-call Contractors in conjunction with bridge contracts to speed up process? Pro's and con's of environmental teams working for bridge consultant.
  - c. Update on NHDOT Bridge Design details
    - i. Precast deck panel will be updated soon
- 4. Technical Topics**
- a. Revisit 2017 list to prioritize and refresh
    - i. Types of stainless-steel other states are using/specifying
      - 1. Maine & VT are using GFRP straight bars in deck, stainless for bent bars in deck
        - a. Maine breaks out separate bid item for GFRP & stainless
      - 2. AASHTO LRFD Bridge Design Specifications for GFRP Reinforced Concrete 2<sup>nd</sup> Edition released Dec. 2018
        - a. Consideration of crack width as GFRP more flexible
      - 3. Steve Hodgdon to research GFRP being placed locally for potential site visit for NHDOT
      - 4. Maine has used epoxy coated prestressing strands and FRP strands (Kittery)
    - ii. UHPC still a dominate topic at PCI
  - b. Cost Estimating Procedures
    - i. Cost estimates at all phases are being scrutinized more
    - ii. What are other states doing for programming costs?
      - 1. NJ cost estimating guidelines – (Kim Smith & Mike Mozer to research)
    - iii. Consider risk review of items and coordination with neighboring states
- 5. ACEC-ME / MaineDOT meeting notes**
- a. Top not discussed

**6. Business Topics**

- a. Revisit 2017 list to prioritize and refresh
  - i. Geotechnical process – not sufficient time for reports at preliminary stage, expect email for preliminary recommendation to use AASHTO presumptive bearing resistance and can finalize foundation size through emails with Geotech Engineer Process will be included in Chapter 6 BDM revision.
  - ii. Consultant Access to contract documents - Online project viewer available (plans, contract documents). Bids results are available on-line also but at a different location.
  - iii. Online shared review – beginning to utilize Bluebeam sessions for DOT reviews and shop drawing reviews.
  - iv. **John Watters to coordinate information dissemination with ACEC**

**7. Potential NHDOT and Consultant bridge training opportunities**

- a. NHI Courses are 50% off and some Web Based Training is free for 2020 to celebrate 50 years of NHI
  - i. Strut & Tie Modelling for Concrete Structures April 29 – 30, sign up is available now to consultants
- b. PCI website has courses available on their website
- c. Training topics beyond technical training (soft skills, public engagement, etc.)
  - i. DOT employees have opportunity to take Certified Public Supervisor and Certified Public Managers courses

**8. Bridge Bureau workload and anticipated consultant support needs**

- a. Expanded use of Statewide type contracts to assist beyond specific projects (NHDOT Bridge Manual, Project Development, Cost Estimating, etc.)
- b. Possible Action Projects
  - i. 4 statewide bridge on call solicitation listed on 3/13/2020
  - ii. Complex bridge expiring next year, solicitation expected soon
  - iii. Campton within next 3 months
  - iv. Rollinsford beyond 3 months
  - v. Roughly same number of projects as last year

**9. Subcommittee membership rotation / new members**

Steve Hodgdon, John Watters, Joe Adams, John Poisson	Sept. 2017 to Sept. 2020
Adam Stockin, Tom Levins, David Scott, Tony Weatherbee	Sept. 2017 to Sept. 2021
Kim Smith, Dan O'Connor Bob Juliano, Mike Mozer	Sept. 2019 to Sept 2022

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- a. Approval of Bob Juliano (NHDOT) and Mike Mozer (NHDOT) additions to the committee
  - b. September 2020 new consultant members
    - i. Loretta to request through Alex

**10. Upcoming meetings - scheduled Fridays from 10:00 to 11:30 AM**

- a. June 12, 2020, September 11, 2020, December 11, 2020.

**11. Other Topics**

- a. Goal Statement – Angela to post to website