

Location:
Virtual

Time:
10:00 AM to 11:30 AM

Purpose of Meeting: Third Quarter Meeting 2020

Invitees:

- | | |
|---|--|
| <input type="checkbox"/> Loretta Girard Doughty, NHDOT | <input type="checkbox"/> Dan O'Connor, Collins |
| <input type="checkbox"/> Angela Hubbard, NHDOT (Co-Chair) | <input type="checkbox"/> Kim Smith, H&H (Note taker) |
| <input type="checkbox"/> Joe Adams, NHDOT | <input type="checkbox"/> Steve Hodgdon, HNTB |
| <input type="checkbox"/> John Poisson, NHDOT | <input type="checkbox"/> John Watters, GPI |
| <input type="checkbox"/> David Scott, NHDOT | <input type="checkbox"/> Adam Stockin, WSP (Co-Chair) |
| <input type="checkbox"/> Tony Weatherbee, NHDOT | <input type="checkbox"/> Tom Levins, GM2 |
| <input type="checkbox"/> Michael Mozer, NHDOT | <input type="checkbox"/> Chris Cucco, AECOM |
| <input type="checkbox"/> Robert Juliano, NHDOT | <input type="checkbox"/> Jaime French, Fuss and O'Neil |

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- o **Department staff changes (promotions, new-hires, retirements, etc.)**
 - a. Staffing discussion
 - Hiring freeze is still in place
 - o Loretta's PM job has not been filled
 - Keith Cota retired – position not advertised

 - o **Summary of In-House Design Section staff meetings**
 - a. June 2020
 - Voting on all items at the AASHTO annual meeting tech sessions were shelved until next year with the exception of two; welding and NSBA documents.
 - b. July 2020 (no meeting)
 - c. August 2020 (no meeting)
 - d. September 2020
 - o Remote work will continue till end of year
 - o Extra \$19m from FHWA, 21 projects to be advertised

 - o **NHDOT Information for Consultants**
 - a. NHDOT Bridge Manual Update
 - Chapter 11, Section 11.8 & 11.4 were revised again.
 - o Waiting for internal review.
 - o Cathodic Protection added with guidance on how to quantify the anodes and where to use them.
 - o Guidance on when to use black and epoxy coated reinforcing.
 - Completely rewrote the Bridge Rehabilitation Sample Notes.
 - o Waiting for internal review.
 - Revised the Temporary Concrete Barrier memorandum.
 - o Waiting for internal review.

- The memorandum is regarding to not include the temporary barrier plans in the contract plans. They will be on-line for the Contractor's use.
 - Spec Committee meets October and Angela hopes to notify the Contractors then and then put the memorandum on-line.
 - Structural Steel Corrosion Protection Memorandum.
 - Guidance on when to use weathering steel, metalizing, and paint
 - Waiting for internal review.
 - New bridge rehabilitation concrete item numbers (sent out previously to Consultants)
 - New 403 item numbers.
 - See enclosed document in notes
 - To be implemented on all projects.
- b. Steel Armor Expansion Joint Detailing
- Need to include more hours in Consultant contracts for detailing expansion joints if the bridge has slope breaks (including a crown) and skew.
 - All the details on the Expansion Joint Bridge Details sheet need to be revised specific for the project. Cannot use just the standard sheet. Average of 3 sheets per joint will be needed in contracts
 - The designer needs to determine the geometry of the joint slopes for each break (change in cross-slope) along the joint perpendicular to the joint. At the break, a 1" plate may need to be welded to the armor angle to get the slopes required at the change in break.
 - Designer needs to draw up the armor angles and 1" plates at each break showing how they need to be welded together.
 - If the project has phases, additional thought and detailing is needed for where the phase joint goes on the expansion joint.
 - Section A-A needs to be drawn on a slope that is perpendicular to the joint (not the profile slope) and not level as shown on the standard plans.
 - All this information has been in the BDM since November 2018 and is located at Chapter 7.4.7 Angle/Plate Connection Fabrication Detailing at all Breaks-in-Slope, Appendix 7.4-B13, and Bridge Details Expansion Joint – Plate Angle Connection Detail. Sample plans are also available on-line under expansion joint and rehabilitation projects.
 - The Fabricator's aren't detailing the joints correctly and NHDOT has had many issues in the field until NHDOT did the detailing for the Roxbury project.
 - Need to pass this on to the designers and it needs to be part of the engineering/design that is scoped/contracted for the project.
 - Angela will look into adding bending limitation of angles/construction tolerance in the Bridge Design Manual so designer knows when the armor angles can't be bent to the geometry and 1" x 6" or 1" x 8" plates need to be welded to the armor angles at the change in slopes.

- c. COVID 19 impacts (meetings, funding, other)
 - o No meeting at DOT, virtual
 - 1. Zoom or Microsoft Teams
 - o Hiring Freeze
 - 1. Waivers given for Highway maintainers, winter maintenance hiring
 - o Less revenue (gas tax, tolls)
 - 1. Budgets have been cut
 - 2. Prioritizing Federally Funded projects
 - o Extra \$19m from FHWA, 21 projects to be advertised
 - o Safer at Home
 - 1. Flexibility to continue to work from home through at least end of the year
- o **Technical Topics**
 - a. Cost Estimating
 - o Department working on an estimating guideline
 - 1. Will provide what type of estimates required at each level of the project
 - 2. Appendix with Bridge guidelines
 - a. Populate more information for slope intercept method
 - 3. Consistency between Bureaus
 - o Possibility for DOT to share cost estimating information (outward facing IPD?)
 - ~~b. Integral Abutment Design Manual~~
 - ~~o VTrans using NYSDOT, though BDM references VT~~
 - c. Preservation/Rehabilitation Projects
 - o Very little guidance in BDM on these unique projects
 - 1. Angela will provide a checklist with stages and contract plans sheet list in the BDM for Preservation and Rehabilitation projects and a field site checklist.
 - 2. Guidance on what information provided for typical submissions such as TSL, preliminary plans
 - 3. Sample plans are on NHDOT website and more recent ones will be added.
 - o Site Visit with consultant & DOT to determine needs should be done and this will be added to the checklist.
 - 1. DOT to reach out to Bridge Maintenance to be included for the on-site visits.
 - d. OHSS
 - o Current design for structures and foundations is 130% of proposed Sign Area
 - o MaineDOT has in their spec that the centroid of sign can be moved up while maintaining the bottom clearance

- o Spec would need to be updated. NHDOT will look at ME spec and discuss changes to current spec to include the structure and foundation to be analyzed with the sign height increasing (changing the location of the centroid.
- o Adam to discuss at MaineDOT meeting and gather information
- e. Use of Disc Bearings
 - o Included in draft BDM
 - o NHDOT allows the use of disc bearings if the geometry/design of the bridge requires them.
- o **ACEC-ME / MaineDOT meeting notes**
 - a. Sharing of information to find common issues
 - b. Estimator catalog to be made public
 - c. Considering the use of Bluebeam for reviews
- o **Business Topics**
 - a. Online shared plan review (Bluebeam or other)
 - o Expediates review periods
 - o Everyone at DOT has access to Bluebeam
 - o Review sessions are being used internally at DOT, will be seeing more of it
 - b. Amendment Approvals (Tabled for future meeting)
 - c. Bridge Maintenance inclusion on meetings? (Tabled for future meeting)
- o **Potential NHDOT and Consultant bridge training opportunities** (Tabled for future meeting)
 - a. Bridge Inspection Courses
 - b. New Wetland Rules/Permitting Plans
 - c. ABC Design Course
 - d. NHI FHWA Bridge Preservation
 - e. Other conferences
- o **Bridge Bureau workload and anticipated consultant support needs** (Tabled for future meeting)
 - a. Possible Action Projects
 - b. Future funding/project issues
- o **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
Chris Cucco, Jaime French Joes Adams, new NHDOT members	Sept. 2020 to Sept 2023

- **Upcoming meetings - scheduled Fridays from 10:00 to 11:30 AM**
 - December 11, 2020 (Calendar invitations have been sent out. Virtual invitations will be sent out closer to the date)
 - a. 2021 meeting dates. Calendar invitations will be sent out.

**STATE OF NEW HAMPSHIRE
INTRA-DEPARTMENT COMMUNICATION**

DATE: July 27, 2020

FROM: Dennis E. Herrick, P.E. 
Administrator

AT (OFFICE): Department of Transportation
Bureau of Materials & Research

SUBJECT: Revised Item 403 Supplemental Specification

TO: All Bureaus and Districts

MEMORANDUM

The attached Supplemental Specification for Item 403 was approved by the full NHDOT Specifications Committee at their meeting on March 4, 2020. This revision was undertaken at the request of the contracting community through the Asphalt Sub-Committee and was viewed as beneficial by the Department for several reasons which include:

- Separation of mixes having differing production costs (mainly due to differences in AC content);
- Communication of separation of mixes to NHDOT lab personnel; and
- Standardization of the item numbering convention.

This item number update takes effect immediately and all future pavement recommendations received from Pavement Management will include this new numbering format. Any projects that have progressed to PPS&E (development of estimate bodies) shall progress to advertisement with the previous item number format. Additional coordination may be necessary with the Specifications section of Highway Design for item selection for those projects.

SUPPLEMENTAL SPECIFICATION

AMENDMENT TO SECTION 403 – HOT BITUMINOUS PAVEMENT

Purpose: To expand the HBP paving items to include the lift in the item description (07/27/20). This update also to removes all references to night items and “percent wear” pay items (06/06/17).

Delete Section 1.3.

Amend Section 4.1.1 to read:

4.1.1 Hot Bituminous pavement transferred by the Material Transfer Vehicle (MTV) will be measured as prescribed in 401.4.

Amend Section 5.1.1 to read:

5.1.1 Blank.

Replace Pay items and units with the following:

Key:

403. A B C D E

A Surface Type/Miscellaneous

1	Roadway	Ton
2	Bridge	Ton

B Placement Method

1 Machine Method
2 Hand Method
6 Pavement Joint Adhesive
8 HBP Leveling
9 Temporary

C Asphalt Type

0 Standard (as specified by Special Provision)
8 Polymer Modified Asphalt (as specified by Special Provision)
9 High Strength

D Mix Type

0 Special (as specified by Special Provision)
1 Base
2 Binder
3 Winter Binder
4 1/2” Wearing
5 3/8” Wearing
6 #4 Wearing

E QC/QA Tier

- 1 Tier 1
- 2 Tier 2
- 3 Method

3	Blank	
4	Material Transfer Vehicle (MTV)	Ton
5	Blank	
6	Echelon Paving	Linear Foot
7	Blank	
8	Blank	
9	Blank	

Examples:**Method**

403.11013	HBP-Base, Machine Method	Ton
403.11023	HBP-Binder, Machine Method	Ton
403.11033	HBP-Winter Binder, Machine Method	Ton
403.11043	HBP-1/2" Wearing, Machine Method	Ton
403.11053	HBP-3/8" Wearing, Machine Method	Ton
403.11063	HBP-#4 Wearing, Machine Method	Ton
403.12	HBP- _____, Hand Method	Ton
403.x19x3	HBP- _____, Machine Method, High Strength	Ton
403.18	HBP-Leveling Course	Ton
403.21053	HBP-3/8", Machine Method (1" Bridge Base)	Ton

QC/QA

403.11011	HBP-Base, Machine Method, QC/QA Tier 1	Ton
403.11012	HBP-Base, Machine Method, QC/QA Tier 2	Ton
403.11021	HBP-Binder, Machine Method, QC/QA Tier 1	Ton
403.11022	HBP-Binder, Machine Method, QC/QA Tier 2	Ton
403.11031	HBP-Winter Binder, Machine Method, QC/QA Tier 1	Ton
403.11032	HBP-Winter Binder, Machine Method, QC/QA Tier 2	Ton
403.11041	HBP-1/2" Wearing, Machine Method, QC/QA Tier 1	Ton
403.11042	HBP-1/2" Wearing, Machine Method, QC/QA Tier 2	Ton
403.11051	HBP-3/8" Wearing, Machine Method, QC/QA Tier 1	Ton
403.11052	HBP-3/8" Wearing, Machine Method, QC/QA Tier 2	Ton
403.x19xx	HBP- _____, Machine Method, High Strength, QC/QA Tier X	Ton
403.x18xx	HBP- _____, Machine Method, Polymer Modified Asphalt, QC/QA Tier X	Ton

Other

403.16	Pavement Joint Adhesive	Linear Foot
403.19	HBP-Temporary	Ton
403.26	Pavement Joint Adhesive (Bridge Base)	Linear Foot
403.29	HBP-Temporary (Bridge)	Ton
403.4	Material Transfer Vehicle (MTV)	Ton
403.6	Echelon Paving	Linear Foot
1010.3	Quality Control/Quality Assurance (QC/QA) for Asphalt	Dollar