



Connecticut DOT

Number: CB-2023-7

Office of Construction

Date: July 27, 2023

## CONSTRUCTION BULLETIN

Construction Division Chief

### Materials Testing Reminders and Updates

This bulletin is intended to inform, remind, and update District Construction staff on the process for requesting and documenting material testing. This bulletin is provided prior to incorporation into the Construction Manual (CM) and the Quality Assurance Program for Materials (Lab Manual). It is provided in this condensed format for ease of use. Be aware that the CM and Lab Manual are the governing documents in this regard and some or all of the information may be superseded in the future. Your patience and understanding are appreciated.

Questions regarding this bulletin should be directed to the Materials Evaluation and Specification Unit (MESU), email [DOT.MatTesting@ct.gov](mailto:DOT.MatTesting@ct.gov).

#### **General**

- Physical samples of materials used on a project must be properly labeled including the MAT-100 sample ID or sample record ID.
- Current versions of all MESU “MAT” Forms are located in: [Forms for Material Testing and Inspection](#)
- Minimum Testing requirements per material code for both acceptance and assurance testing can be found in: [MESU AASHTOWare](#) (AWP). Staff may request additional samples/testing/documentation at any time should they have a concern with material quality. Testing requirements that consist of documentation only must be submitted electronically to the appropriate email contact or within AWP Project Construction and Materials (C&M). Hard copy documentation will not be picked up by MESU staff.
- Deficient assurance testing will be documented on the Final Materials Certificate.
- Assurance testing for aggregate sampling and fresh concrete properties testing during placement must be requested in advance via email to the District Laboratories using the appropriate email address: ([DOT.D1lab@ct.gov](mailto:DOT.D1lab@ct.gov), [DOT.D2lab@ct.gov](mailto:DOT.D2lab@ct.gov), [DOT.D3lab@ct.gov](mailto:DOT.D3lab@ct.gov), [DOT.D4lab@ct.gov](mailto:DOT.D4lab@ct.gov))
- Assurance testing for in-place density of unbound material must be requested in advance via email: [DOT.DensityAssurance@ct.gov](mailto:DOT.DensityAssurance@ct.gov)

CB-2023-7

July 27, 2023

- Correspondence or submittals regarding the original or revised CON-083 *Anticipated Source of Materials* must be forwarded to: [DOT.MatTesting@ct.gov](mailto:DOT.MatTesting@ct.gov). The Contractor is required to document any changes in sources by submitting an updated CON-083 no less than seven days prior to use of material from those sources.
- Consultant staff can request access to these links by following the instructions in: [Getting Started with SharePoint for Consultants \(ct.gov\)](#)

### **Bituminous Materials**

- PaveTrack must be used to verify that the producer and mix to be used on the project are acceptable for use. [PaveTrack](#)
- Emulsified asphalt (tack coat) samples should be delivered to MESU as soon as the sample is obtained. Samples received twelve (12) calendar days after sampling will be coded as deficient.

### **Ready-Mix & Precast Concrete**

- Form MAT-112PRECAST Precast Fabrication Notice (found in:  [Forms for Material Testing and Inspection](#)) and other related correspondence or submittals regarding off-site fabrication of precast concrete must be forwarded to [DOT.PrecastConcrete@ct.gov](mailto:DOT.PrecastConcrete@ct.gov) prior to fabrication so inspections can be arranged.
- Correspondence or submittals regarding special concrete mix designs for review and comments must be forwarded to [DOT.Concretemixdesign@ct.gov](mailto:DOT.Concretemixdesign@ct.gov) in advance of their use.
- Standard concrete mix designs do not need to be submitted for review. If submitted mix designs do not match the posted prequalified mix design notify the [DOT.Concretemixdesign@ct.gov](mailto:DOT.Concretemixdesign@ct.gov). Prequalified mix designs are posted in the following folder: [Qualified Portland Cement Concrete Mix Designs](#)

### **Structural Steel**

- Form MAT-112STEEL Steel Fabrication Notice (found in: [Forms for Material Testing and Inspection](#)) and other related correspondence must be submitted to [DOT.Steel@ct.gov](mailto:DOT.Steel@ct.gov) for off-site fabrication of structural steel as soon as possible to schedule inspection.
- Weld Procedures must be submitted through COMPASS in accordance with the established procedure.

### **Asphaltic Plug Joints, off-site topsoil, and pavement markings**

- MAT-100 or samples records are no longer required for these materials. Construction staff must still receive and review the Material Certificates and/or Certified Test Reports per the Construction Manual.
- The Landscape Design Unit ([DOTLandscapeDesignUnit@ct.gov](mailto:DOTLandscapeDesignUnit@ct.gov)) should be consulted for questions regarding off-site topsoil.