

Quality Assurance

General Update(s)

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Manual of Test Procedures



2024 Standard Specification now references MOTP

106.3.4 Approval By Sampling and Testing

106.3.4.1 General

106.3.4.1 Revise to add information and link for WisDOT's Manual of Test Procedures (MOTP). The MOTP includes WisDOT's test modified (WTM) and WisDOT's test procedure (WTP) methods.

Global change throughout 2024 Standard Specifications to update select test method references to WisDOT's Manual of Test Procedures methods.

- (1) Except as specifically provided in the contract, the engineer will determine sampling and testing frequencies and sample locations, both on and off the project site.
- (2) The department maintains a Manual of Test Procedures (MOTP) that includes two types of procedures:
 1. WisDOT Test Modified (WTM).
 2. WisDOT Test Procedure (WTP).

WTMs and WTPs within the MOTP are available at:

<https://wisconsindot.gov/pages/doing-bus/eng-consultants/cnslt-rsrces/qmp/default.aspx>



Wisconsin Test Modified (WTM) – An AASHTO standard that has modifications for WisDOT contracts.

Wisconsin Test Procedure (WTP) – An in-house WisDOT testing procedure. The entire procedure is defined.



QMP Website

Contracting Information



How Do I Use It?

- A copy of AASHTO/ASTM standards (Lab Qual Requirement).
- A copy of the MOTP.
- Suggestion – Create your own standard procedures and update periodically.



Lab Qualification – Field Lab Emphasis

Any testing used for acceptance needs to be from a qualified lab.

If you have not done so already, please apply to get on the qualified lab list now.



Questions?

Q: Is this a way to prevent firms who do not have a lab from doing sampling and testing?

A: No, the goal is to follow the CFR and treat all firms/organizations equally.



Questions?

Q: What if we only do sampling?

A: Lab qualification is not required if the firm only does sampling. The lab where the sample goes requires qualification.



Questions?

Q: What if we rent or lease field equipment?

A: Document this process in your lab manual and request a copy of the calibration records when you rent or lease the equipment.



Buy America

1. Final guidance for construction materials
2. De minimis exception (biggest change)
3. Small projects exception (will know at time of let)



Construction Materials

- Non-ferrous metals
- Plastics and polymer-based products
- Glass
- **Fiber optic cable**
- **Optical fiber**
- Lumber
- **Engineered wood**
- Drywall



De Minimis Policy

The total value of the noncompliant products is no more than the lesser of \$1,000,000 or 5% of total applicable costs



Total Applicable Costs means???

Material costs of project bid items that are subject to domestic preference. \$1 Million or 5% of those costs can be exempt.



(Total value of non-compliant) construction materials

(divided by) ÷

(Total applicable project costs) steel, iron, manufactured products, and construction materials



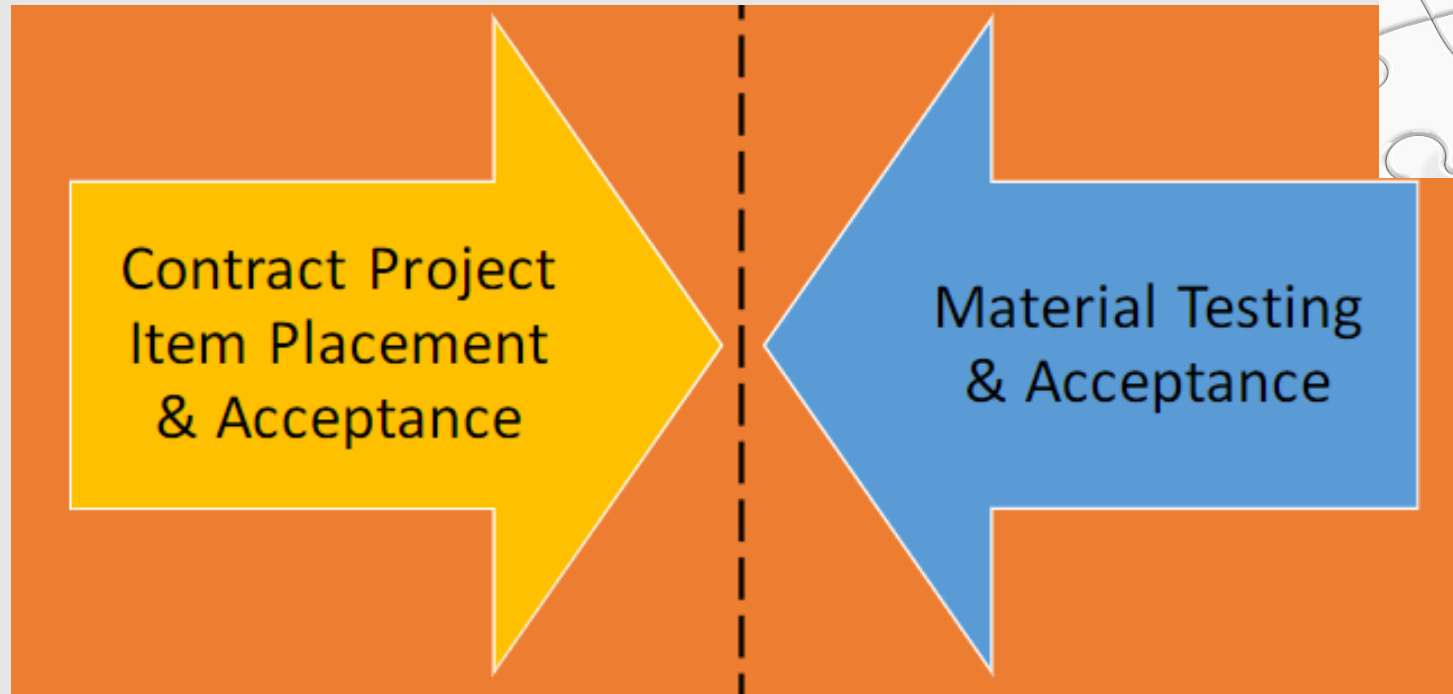
**Reminder – Check your contract for appropriate
BA provision.**



AASHTOWare Materials



AWP Material Functionality

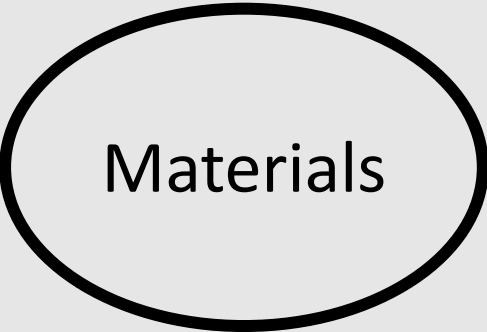


Sampling Frequencies

Approved Products

Test methods

Independent Assurance



Mixture designs

Materials
Certifications

Lab Qualification

HTCP Certs

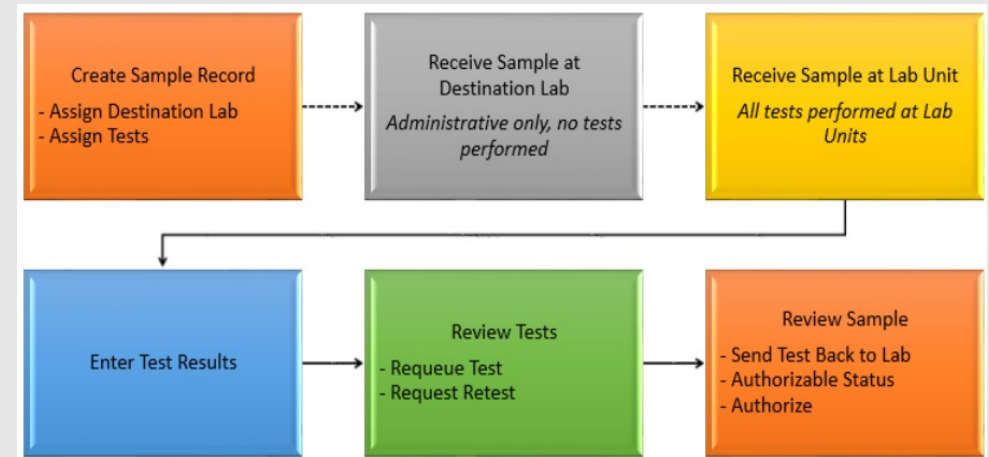
Conformance Specs



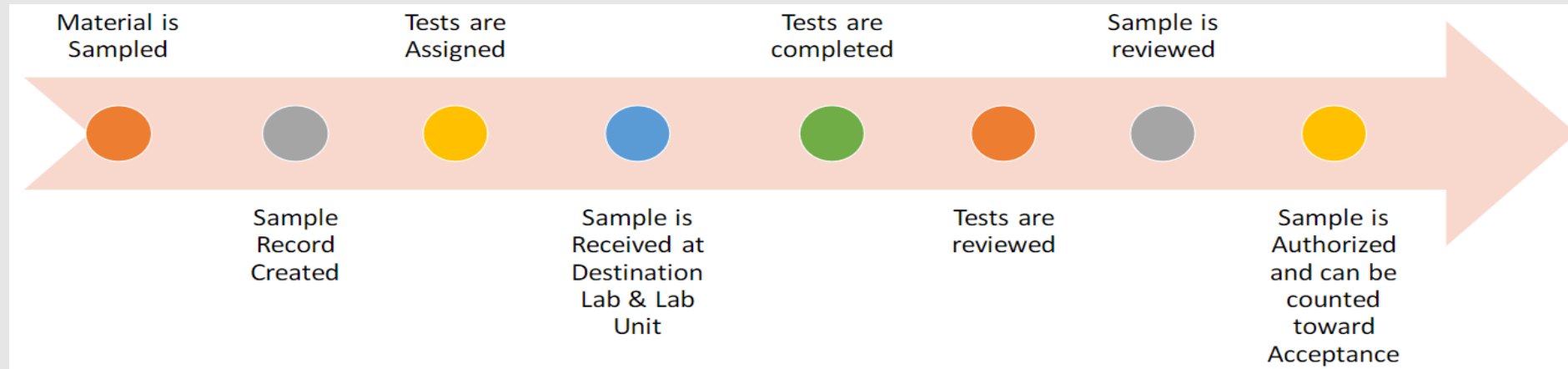
Material Tracking Efforts

Material Phases (Sampling & Testing)

- Pre-Approvals
- Samples during roadway production
- Samples sent to LABs
- Testing ... by Qualified/Certified Personnel
- Document Test Results and/or Collect Certs
- Compare to Spec'd Requirements
- Authorize and Notify



HOW: Example Life of a Material



Collect it .. Bag it .. Tag it .. Define it .. Ship it .. Receive it .. Shake it .. Test .. Verify it .. Authorize it .. Pay\$

*** [AWP-WisDOT CMIMPL environment](#) ***





Approved Source Products

Report v1

Source: 55-20-056-QRY - BUECHEL STONE OAKFIELD

Source Type: AGG-QRY - Aggregate Quarry

Location Description:

Source Products

Material Category	Material	Brand Names
701 - AGGREGATE	701.001.01 - Source Aggregate - Coarse	HMA<MT, HMA>=MT
701 - AGGREGATE	701.001.02 - Source Aggregate - Fine	
701 - AGGREGATE	701.002.01 - Asphalt Aggregate - Coarse_LT Mix	
701 - AGGREGATE	701.002.02 - Asphalt Aggregate - Coarse_MT Mix	
701 - AGGREGATE	701.003.01 - Backfill - Granular	
701 - AGGREGATE	701.003.02 - Backfill - Structure	
701 - AGGREGATE	701.004.01 - Base Aggregate - Dense Graded 3/4-Inch_Crushed Stone	
701 - AGGREGATE	701.004.03 - Base Aggregate - Dense Graded 3/4-Inch_Crushed Concrete	
701 - AGGREGATE	701.005.01 - Breaker Run	
701 - AGGREGATE	701.006.01 - Concrete Aggregate - Coarse Size No. 1	
701 - AGGREGATE	701.006.02 - Concrete Aggregate - Coarse Size No. 2	
701 - AGGREGATE	701.006.03 - Concrete Aggregate - Fine	
701 - AGGREGATE	701.008.01 - Concrete Aggregate - Coarse Size No. 1	
TV_MatCat - TV material category	TV_Mat - TV Mat	



Expectations



Milestones 2023-24

- **2023:** System version Update, Screen Creation & Development
- **2024:** Develop pilot specifications, identify projects and include in projects.
- **2025:** Pilot projects
- **2026:** Implementation

****** a lot needs to be accomplished before pilots can occur ******



Q&A ... Thinking Ahead



- Industry investment in Corporate Software Applications
 - APIs: Interfaces
 - Enhancements to Worksheets: Technical Team - Task Force Teams
- Industry Access to Contract Data
 - Export Features
 - Analysis Features



WHO(s): Heavy Lifting

- **WisDOT Mat-CMIMPL Core Team**

(the Detanglers & Pathfinders)

E.Lyngdal (BTS-MM); D.Balog (SE);
R.Rooyackers (NE); J.Ryan (BTS-MM);
H.Jelinek (BTS-MM); A.Albers (BTS-MM);
B.Jandrin (BTS-MM); A.Johnson (BTS-MM);
A.Markovic-Graff (BTS-MM); S.Syron (SW);
M.J.Morrison (BTS-MM);
M.Kang (BTS-MM); T.Mandal (BTS-MM)



- **Infotech WisDOT Core Team**

(the Genies in a Bottle)

D.Gow-McDilda; J.Floyd, L.Deely,

- **WisDOT AWP IT-Support Team**

(the Magicians)

D.Castleberg; A.Czerneski; A.Reddy;
T.Ganshert; A.Bleskacek



Q&A



... see/hear anything undoable? ... Concerns?

