

AASHTO SUBCOMMITTEE ON MATERIALS

TECHNICAL SECTION 4h — Castings and Non-Ferrous Metals

2012 Web Meeting

Wednesday, May 23, 2012 — 2:00 PM Eastern

Minutes

I. Call to Order/Opening Remarks/General Business

- **Opening remarks by Dave Lippert (IL) and Henry Lacinak (AASHTO) to explain purpose of webinar:**
 - **Allows greater participation by SOM members and availability of technical experts. Also reduces time needed at Annual SOM Meeting to conduct business of TS 4h.**

II. Roll Call/Roster

AASHTO SUBCOMMITTEE ON MATERIALS

Technical Section 4h

2012 Roster

- **TS Members Participating in Webinar:**

Agency	Name	Designation	Type
Georgia Department of Transportation	Peter Wu pwu@dot.ga.gov	Member	Voting
Illinois Department of Transportation	David Lippert David.Lippert@illinois.gov	Chair	Voting
Kansas Department of Transportation	Rick Kreider rickk@ksdot.org	Member	Voting
Maryland Department of Transportation	Woody Hood whood@sha.state.md.us	Vice Chair	Voting
New Hampshire Department of Transportation	Alan Rawson arawson@dot.state.nh.us	Member	Voting
New Jersey Department of Transportation	Eileen Sheehy eileen.sheehy@dot.state.jy.us	Member	Voting
Vermont Department of Transportation	William Ahearn bill.ahearn@state.vt.us	Member	Voting
Virginia Department of Transportation	William Bailey bill.bailey@vdot.virginia.gov	Member	Voting

AMRL	Maria Knake mknake@amrl.net	Member	Non-Voting
AMRL	Steve Lenker slenker@amrl.net	Member	Non-Voting

- **TS Members Not Participating in Webinar:**

Agency	Name	Designation	Type
Maine Department of Transportation	Mark Alley Mark.Alley@maine.gov	Member	Voting
AMRL	Christopher Breth cbreth@amrl.net	Member	Non-Voting
AMRL	Gregory Uherek guherek@amrl.net	Member	Non-Voting

- **Other Participants in Webinar:**

Agency	Name	email
Alabama Department of Transportation	Bart Pickett Clint Quillin Steven Ingram	pickettb@dot.state.al.us quillinc@dot.state.al.us ingrams@dot.state.al.us
Delaware Department of Transportation	Jennifer Pinkerton	Jennifer.Pinkerton@state.de.us
Georgia Department of Transportation	Kevin Ledford Georgene Geary	kledford@dot.ga.gov ggeary@dot.ga.gov
Illinois Department of Transportation	Ed Hughes	Edward.Hughes@illinois.gov
Kentucky Department of Transportation	Daryl Snook Wesley Glass	Daryl.Snook@ky.gov Wesley.Glass@ky.gov
Louisiana Department of Transportation	Bert Wintz Khiet Ngo Justin Morris	Bert.wintz@la.gov Khiet.ngo@la.gov Justin.morris@la.gov
North Carolina Department of Transportation	Jack Cowsert Chris Peoples	jcowsert@ncdot.gov cpeoples@ncdot.gov
Pennsylvania Department of Transportation	Tim Ramirez Bob Horwat	tramirez@pa.gov rhorwat@pa.gov

Tennessee Department of Transportation	Bill Trolinger	Bill.trolinger@tn.gov
Utah Department of Transportation	Scott Andrus	scottandrus@utah.gov
AMRL	Bob Lutz	rlutz@amrl.net
FHWA	Jack Springer	Jack.springer@dot.gov
AASHTO	Greta Smith Henry Lacinak	gsmith@ashto.org hacinak@ashto.org

III. Approval of 2011 Technical Section 4h Minutes--- See Attachment 1.

- **Motion to approve minutes – Eileen Sheehy (NJ) / Seconded Bill Bailey (VA)**
- **Approved**

IV. Old Business

A) 2011 SOM Ballot Items---

Item No. 72: M103M/M 103 Steel Casting, Carbon for General Application

Sponsored by Technical Section 4h

Item Number:	72
Description:	Concurrent ballot item to revise AASHTO M 103M/M 103 "Steel Castings, Carbon for General Application" as shown on pages 3 and 14-21 of the minutes.
Decisions:	Affirmative: 49 of 52 Negative: 0 of 52 No Vote: 3 of 52

Agency (Individual Name)	Comments	Decision
Illinois Department of Transportation (David L. Lippert) (David.Lippert@illinois.gov)	Changes are editorial. Table 3 in S51 should be revised. Instead of "Blueprint Dimensions" should be "Maximum Drawing Dimensions". No one uses "blueprints" today.	Affirmative

The fractions should be properly stated: 4/32 = 1/8; 6/32 = 3/16; 8/32 = 1/4.

- **Passed SOM ballot and comments have been addressed.**

B) 2012 TS Ballots

Reconfirm M163M/M 163-07

AASHTO Electronic Balloting System
Ballot Detail Report

Ballot Detail

Ballot Name:	Reconfirm M163M/M 163-07
Ballot Manager:	Jack H Springer
Ballot Start Date:	2/23/2012
Ballot Due Date:	3/15/2012

Reconfirm M163M/M 163-07

Item Number:	1
Description:	Reconfirm M163 M/M 163-07
Decisions:	Affirmative: 9 of 9 Negative: 0 of 9 No Vote: 0 of 9

Agency (Individual Name)	Comments	Decision
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No Comments
Date: 3/16/2012

- **Passed Technical Section Ballot**

C) Task Force Reports----there were no task forces established last year.

V. New Business

A) AMRL Issues---not aware of any issues at this time.

B) NCHRP Issues---Research
Research needs---not aware of any needs at this time.

C) Correspondence, Calls, Meetings /Presentations by Industry

- Nothing received from industry. Going online, outreach has not been made to industry. May want to consider announcing to give industry opportunity for input.
- Suggest looking at last 3 years to see what industry reps were present and may want to extend invite to them. May announce on website. May set up automatic sign up listing.
- Bill Bailey (VA) – greatest attended meetings were around issues brought up by industry. May be beneficial to reach out to industry.
- Dave Lippert (IL) – Presentations from industry may be able to be forwarded to TS members for future live meetings (webinars).
- Rick Kreider (KS) – May wish to consider having an annual teleconference with advanced notice.

D) Proposed New/Updated/Deleted Standards

(1) **Category “C” Standards**

- a) The Tech Section no longer has any Category C Standards

(2) **Category “A” and “B” Standards---Update**

- Dave Lippert stated that Bruce Yeaton (ME) as past chair was directly handling all standards needing review and updating. Future review and updating will be handled by Dave Lippert, chair (IL) until further notice. Chair may revisit this policy in the future.

AASHTO Standard	ASTM Standard	Latest ASTM No.	Standard Category	TITLE	Reconfirm Year	Action (2012)	ASTM Volume
M 103M/M 103-12	A 27/A 27M-10	2010	B	Steel Castings, Carbon, for General Application	2016	N/A	1.02
M 105-09			A	Gray Iron Castings	2013	N/A	
M111M / M111-11	A 123/A 123M-09	2009	B	Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products	2015	N/A	1.06
M 163M/M 163-12 ¹	A 743/A 743M-06	2006	B	Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application	2016	N/A	1.02
M 232M/M 232-10 ¹	A 153/A 153M-09	2009	B	Zinc Coating (Hot-Dip) on Iron and Steel Hardware	2014	N/A	1.06
M 285M/M 285-11	A 744/A 744M-10	2010	B	Castings, Iron-Chromium-Nickel, Corrosion Resistant, for Severe Service	2015	N/A	1.02
M 306-10			A	Drainage Structure Castings	2014	N/A	
T 65M/T 65-12	A 90/A 90M-11	<u>2011</u>	B	Mass [Weight] of Coating on Iron and Steel Articles with	2015	<u>Update to ASTM revision</u>	1.06

				Zinc or Zinc-Alloy Coatings		See ATT 2	
T 213M/T 213-11	A 428/A 428M-10	2010	B	Mass [Weight] of Coating on Aluminum-Coated Iron or Steel Articles	2015	N/A	1.06

a. Need motion for concurrent ballot on T 65M/765-12

- **Changes to standard were reviewed during webinar by members.**
- **Agreement to send to Technical Section ballot with expectation to send to full SOM subcommittee ballot this fall.**
- **Jack Springer (FHWA) – preferred method is to do a TS ballot and then the Subcommittee ballot in November 2012. Preference is to have SOM ballots only in the fall.**
- **Dave Lippert (IL) will prepare for TS ballot**
- **Bill Bailey (VA) – Questioned if B standards continue to exist. It was noted that B standards do still exist.**
- **Dave Lippert (IL) – M 105 will be addressed next year.**

E) Proposed New Task Forces

None

F) Standards Requiring Reconfirmation

None

G) SOM Ballot Items (including any ASTM changes)

- (1) Concurrent ballot item to update T 65M to maintain equivalency with ASTM A 90/A 90M-11.
- **Agreement that T65M should go to TS ballot and then SOM ballot.**
 - **To send to SOM ballot, a TS vote is needed or could be concurrent ballot. As discussed earlier, the chair will initiate a TS ballot that will then be available for the Fall SOM ballot.**
 - **TS decided not to have meeting in August. Industry personnel attending TS meetings in past should be contacted regarding current policies. Dave Lippert (IL) will send out notification.**
 - **Jack Springer (FHWA) – Meeting minutes should be shared with industry. If necessary, another webinar could be scheduled.**
 - **Lippert (IL) will send out minutes to industry representatives attending TS meetings of the last few years. If they have any correspondence or want to make presentations, another online meeting will be scheduled.**

H) Other New Business

- **Georgene Geary (GA) noted that in some references ASTM A153 / AASHTO M232 Standard Specification for Zinc Coating (Hot Dip) on**

Iron and Steel Hardware is being replaced by F2329 Standard Specification for Zinc Coating, Hot Dip, Requirements for Application to Carbon and Alloy Steel Bolts, Screws, Washers, Nuts, and Special Threaded Fasteners. Others have not noticed this, but were warned to watch for any changes that require action.

- **Bill Ahearn (VT) Question on Castings – Is fingerprinting an adequate method to determine origin of castings? (Domestic versus foreign sources.) Ed Hughes (IL) – castings are stamped “Made in America”. Documentation is required to be sent to jobs as well and placed in project files.**
- **Eileen Sheehy (NJ) – Fingerprinting may not be practical to use as proof of made in America since pig iron of foreign sources can be melted down and cast in the United States and be claimed as being made in America.**
- **Jack Springer (FHWA) – Only 8 FHWA representatives are expected at the 2012 SOM meeting. Therefore, if any business needs to be discussed with individual FHWA members, contact may be better made prior to the meeting.**

VI. Adjourn

- **Motion to adjourn – Eileen Sheehy (NJ) / Seconded Bill Ahearn (VT)**
- **Approved**

AASHTO SUBCOMMITTEE ON MATERIALS

**TECHNICAL SECTION 4h — Castings and Non-Ferrous Metals
2013 Web Meeting**

Wednesday, March 13, 2013 — 2:00 PM Eastern

I. Call to Order/Opening Remarks/General Business

- **Opening remarks by David Lippert (IL) and Henry Lacinak (AASHTO) on the purpose of the web live meeting.**
- **The meeting will cover business of the tech section which is usually brief and is why this tech section was moved to a web format. Hopefully this format provides for more participation by SOM members by not conflicting with other concurrent sections at the annual meeting. This is the second meeting in this format.**
- **An effort was made to include industry members, but some emails were returned. If you know of other industry partners that would be interested in taking part in this tech sections please forward their contact info to the chair.**

II. Roll Call/Roster

Those in attendance were:

AASHTO Subcommittee on Materials
Roll Call/Roster

AASHTO SUBCOMMITTEE ON MATERIALS
Technical Section 4h – Castings and Non-Ferrous Metals
Web Meeting
2 pm EST, March 13, 2013

TS 4h Members: “X” denotes present			
X	Lippert, Dave	David.Lippert@illinois.gov	Illinois DOT
	Hood, Woody	whood@sha.state.md.us	Maryland DOT
X	Ledford, Kevin (proxy for Wu, Peter)	kledford@dot.state.ga.us	Georgia DOT
	Kreider, Rick	rickk@ksdot.org	Kansas DOT
	Alley, Mark	Mark.Alley@maine.gov	Maine DOT
X	Rawson, Allen	arawson@dot.state.nh.us	New Hampshire DOT
X	Sheehy, Eileen	Eileen.sheehy@dot.state.jy.us	New Jersey DOT
	Ahearn, William	Bill.ahearn@state.vt.us	Vermont DOT
X	Lundy, Larry (proxy for Bailey, Bill)	Larry.Lundy@vdot.virginia.gov	Virginia DOT
VISITORS:			
X	Blackburn, Lyndi D	blackburnl@dot.state.al.us	Alabama DOT
X	Hainsworth, Greg	Gregory.Hainsworth@state.de.us	Delaware DOT
X	Geary, Georgene	ggeary@dot.state.ga.us	Georgia DOT
X	Hughes, Ed	Ed.Hughes@illinois.gov	Illinois DOT
X	Morris, Justin	Justin.Morris@la.gov	Louisiana DOTD

X	Wintz, Bert	Bert.Wintz@la.gov	Louisiana DOTD
X	Cowsert, Jack	jcowsert@ncdot.gov	North Carolina DOT
X	Peoples, Chris	cpeoples@ncdot.gov	North Carolina DOT
X	Walton, Steve	swalton@ncdot.gov	North Carolina DOT
X	Kuniega, Dave	dkuniega@pa.gov	Pennsylvania DOT
X	Fletcher, Milt	fletchermo@scdot.gov	South Carolina DOT
X	Zwanka, Merrill	zwankame@scdot.gov	South Carolina DOT
X	Malusky, Katheryn	kmalusky@ashto.org	AASHTO
X	Rothblatt, Evan	erothblatt@ashto.org	AASHTO
X	Lacinak, Henry	hlacinak@ashto.org	AASHTO
X	San Solo, Adam		US Foundry
X	Coggins, Craig		EJ USA

AASHTO SUBCOMMITTEE ON MATERIALS
Technical Section 4h
2012 Roster

Agency	Name	Designation	Type
Georgia Department of Transportation	Peter Wu pwu@dot.ga.gov	Member	Voting
Illinois Department of Transportation	David Lippert David.Lippert@illinois.gov	Chair	Voting
Kansas Department of Transportation	Rick Kreider rickk@ksdot.org	Member	Voting
Maine Department of Transportation	Mark Alley Mark.Alley@maine.gov	Member	Voting
Maryland Department of Transportation	Woody Hood whood@sha.state.md.us	Vice Chair	Voting
New Hampshire Department of Transportation	Alan Rawson arawson@dot.state.nh.us	Member	Voting
New Jersey Department of Transportation	Eileen Sheehy eileen.sheehy@dot.state.jy.us	Member	Voting
Vermont Department of Transportation	William Ahearn bill.ahearn@state.vt.us	Member	Voting
Virginia Department of Transportation	William Bailey bill.bailey@vdot.virginia.gov	Member	Voting
AMRL	Steve Lenker slenker@amrl.net	Member	Non-Voting

Agency	Name	Designation	Type
AMRL	Maria Knake mknake@amrl.net	Member	Non-Voting
AMRL	Christopher Breth cbreth@amrl.net	Member	Non-Voting
AMRL	Gregory Uherek guherek@amrl.net	Member	Non-Voting

III. Approval of 2012 Technical Section 4h Minutes--- See Attachment 1.

- Motion to approve minutes –Allen Rawson (NH)/ Seconded Eileen Sheehy (NJ)
- Approved

IV. Old Business

A) 2012 SOM Ballot Items

- a. Concurrent ballot item to update T 65M to maintain equivalency with ASTM A 90/A 90M-11.

Technical Section 4h

Item Number:	95
Description:	Concurrent ballot item to update T 65M to maintain equivalency with ASTM A 90/A 90M-11.
Decisions:	Affirmative: 46 of 52 Negative: 1 of 52 No Vote: 5 of 52

Agency (Individual Name)	Comments	Decision
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Kentucky Transportation Cabinet (Allen H Myers) (allen.myers@ky.gov)	We cannot offer a meaningful vote on this item without understanding the specific nature of the proposed revisions. The ballot item only states that revisions will be incorporated to agree with the ASTM counterpart.	Negative
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David Lippert noted that he had been in contact with Kentucky by email. As a result KY withdrew their negative.

B) 2012/13TS Ballots

C) **Task Force Reports**----there were no task forces established last year.

V. New Business

A) **AMRL Issues**---No issues to report.

B) **NCHRP Issues---Research**

Research needs---not aware of any needs at this time. The deadline for research needs statements for SOM consideration at the annual meeting is July 1, 2013.

C) **Correspondence, Calls, Meetings /Presentations by Industry**

D) **Proposed New/Updated/Deleted Standards**

(1) **Category “C” Standards**

a) The Tech Section no longer has any Category C Standards

(2) **Category “A” and “B” Standards---Update**

AASHTO Standard	ASTM Standard	Latest ASTM No.	Standard Category	TITLE	Reconfirm Year	Action (2013)	ASTM Volume
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M 105-09			A	Gray Iron Castings	2013	Reconfirm	
M111M / M111-4413	A 123/A 123M-0912	2012	B	Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products	2015	Ballot	1.06
M 163M/M 163-12 ¹	A 743/A 743M-06	2006	B	Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application	2016	N/A	1.02
M 232M/M 232-10 ¹	A 153/A 153M-09	2009	B	Zinc Coating (Hot-Dip) on Iron and Steel Hardware	2014	N/A	1.06
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M 306-10			A	Drainage Structure Castings	2014	N/A	
T 65M/T 65-12	A 90/A 90M-11	2011	B	Mass [Weight] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings	2015	N/A	1.06
T 213M/T 213-11	A 428/A 428M-10	2010	B	Mass [Weight] of Coating on Aluminum-Coated Iron or Steel Articles	2015	N/A	1.06

E) Proposed New Task Forces

None formed.

F) Standards Requiring Reconfirmation

- 1) M 105 on gray Iron Castings is up for reconfirmation this year and will be prepared by the Chair for TS Ballot.

F) SOM Ballot Items (including any ASTM changes)

- The Chair noted that ASTM made some minor changes to A123/A123M that will need to be balloted for adoption into M111M / M111 to maintain equivalency. The Chair will check on the rational of the changes to include in the ballot. See Attachment 2.
- A motion to take this action was made by (NJ) / Seconded Larry Lundy (VA).
- Approved. The chair will submit the item for ballot.

H) Other New Business

- No other New Business.
- A brief discussion was held on how other states were handling Buy American requirement on melt, fabrication and Made in America as there is some difficulty in obtaining mill certifications. Some states have developed detailed requirements that must be on the mill cert and hold training session to make sure requirements are followed.
- Stolen grates and lids are a problem in some states. The manufactures noted that the casting material is generally not compatible with welding and that there are locking systems available.

VI. Adjourn Motion to adjourn by Allen Rawson (NH) / Seconded Larry Lundy (VA)

- The meeting adjourned at approximately 2:45pm.