



COMMITTEE ON MATERIALS & PAVEMENTS

2018 Annual Meeting – Cincinnati, OH

Monday August 06, 2018

3:45 PM

TECHNICAL SUBCOMMITTEE 4d

Safety Devices

I. Call to Order and Opening Remarks –

- A. Chair Intro and thanks and awards
 - i. Brief Intro from New Chair

II. Roll Call (Voting Members) – Sign in Sheet & Introductions

Ron Stanevich	WV	Chair
Tim Ruelke	FL	Vice Chair
Jason Davis	LA	Member
Jim Trepanier	IL	Member
Leo Fontaine	CT	Member
Lisa Zigmund	OH	Member
Brandi Mitchell	KY	Member
Jose Lima	RI	Member
Richard Douds	GA	Member
Kurt Williams	WA	Member
Tim Ruelke	FL	Member
William Bailey	VA	Member
Curt Turgeon	MN	Member
John Grieco	MA	Member
Darren Hazlett	TX	Member
Becca Lane	ON	Associate

Friends of TS-4d & Introductions –(non Voting)

Dennis Dvorak	FHWA	Ex Officio
Chris Gaudette	Orafol Am.	Friend
Todd Ballen	3M	Friend
Robert Lutz	AASHTO	Liaison
Tracy Barnhart	AASHTO	Liaison
Kelly Morse	IL	Member
Steven Lenker	AASHTO	Member
Maria Knake	AASHTO	Member
Henry Lacinak	AASHTO	Member
David Ahlvers	MO	Member
Danny Lane	TN	Member
Art Bertol	Wheeling- Nisshin	Friend

III. Mid Year Meeting Minutes –

- A. Meeting Minutes, 1.16.18. (attachment A)

IV. Technical Section Minutes from 2017

- A. Approval of 2017 minutes was completed at Mid Year Meeting 1.16.18 and should be posted online

V. Old Business

A. Any Outstanding Items from the Mid-Year Meeting

M180 – Zinc, Aluminum, Magnesium changes – Changes included in M180-18

B. TS4d Ballot Items

- i. TP 103 – A Tech Section ballot outlining the changes was prepared
TS Ballot Completed – 13 affirmative, 0 Negative, 3 No Vote. Propose to send to full COMP ballot.
- ii. Everything else was wrapped up at Mid-Year Meeting

C. Reconfirmation Report for standards (Attachment B):

- i. Item #5 M290 – Comment by Illinois - No one on the Mid Year call could answer this question. Can Illinois clarify their comment?
“Are these still used for signs? If not, title should be revised to exclude the sign reference”
- ii. Item #6 T257 – comment by Illinois - ASTM has revised their standard since 2013 and the AASHTO standard should be compared to the current ASTM version to ensure that the language matches.
“Need to make sure to keep up with ASTM method changes. Current with the 2013 versions.”

D. Tech Section Actions Required (Attachment C)

- i. M 030-15 Metallic-Coated Steel Wire Rope and Fittings for Highway Guardrail
- *Revise or Reconfirm* Does this include cable barrier? Referenced Documents section does not mention M180.
- ii. M181-10 Chain Link Fence - *Revise or Reconfirm*
- iii. M268-15 Retroreflective Sheeting for Flat and Vertical Traffic Control Applications - *Revise or Reconfirm*

E. Task Force Reports – no task forces

F. Research Proposals:

- i. NCHRP 22-40 – update

Link to

project: <http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=4586>

Sponsored by Committee on Roadside Safety

Eric Emerson – Wisconsin DOT

Tim Ruelke has been accepted on the panel

Should we tie in M 030 into this effort?

Should we include cable barrier hardware in this project?



VI. New Business

- A. Research Proposals Do we want to put the “Material Requirements for High Tension Cable Barriers” project Back in?
- B. AMRL/CCRL –
- C. NCHRP Issues -
- D. Correspondence, calls, meetings -
- E. Presentation by Industry/Academia
- F. Proposed New Standards
- G. Proposed New Task Forces
- H. Standards Requiring Reconfirmation
- I. COMP Ballot Items (including any ASTM changes/equivalencies) .

VII. Open Discussion

VIII. Adjourn



COMMITTEE ON MATERIALS & PAVEMENTS

2017-2018 Mid Year Meeting (Webinar)

Tuesday January 16, 2018

2:00 – 4:00 PM EST

TECHNICAL SECTION 4D

Safety Devices

I. Call to Order and Opening Remarks

- A. Brief summary of activities
 - 1. 2017 Meeting Summary

II. Roll Call

III. Approval of Technical Section Minutes

- A. 2017 Tech Section Minutes (attached) Motion: VA, Second: FL

IV. Old Business

- A. COMP Ballot Items (Including any ASTM Changes/equivalencies)
 - 1. Outstanding items from Annual Meeting? None.
- B. TS Ballots –
 - 1. M180 – Editorial Comments, Art Bertol is present and has made some changes and can discuss if necessary. Art indicated that most comments were typographical in nature. Trying to introduce new coating into the standard. Art addressed each of the comments during the call. The Tech Section has accepted the editorial comments based on Art’s explanations and will work with PA and AASHTO Publications to get the comments published.
- C. Reconfirmation Ballots
 - 1. Item #2 M279 – Editorial Comment by Illinois Reviewed comments – agreed.
 - 2. Item #3 M280 – Editorial Comment by Illinois The statement is accurate. Suggest removing the reference.
 - 3. Item #4 M281 – Editorial Comment by Illinois Reviewed comment – agreed.
 - 4. Item #5 M290 – Comment by Illinois No one on the call could answer this question. Ron will contact Illinois.
 - 5. Item #6 T257 – comment by Illinois ASTM has revised their standard since 2013 and the AASHTO standard should be compared to the current ASTM version to ensure that the language matches. Suggestion made to contact Kelly Morris. Ron will contact Illinois.
 - 6. TP 103 – working with NTPEP update by T. Ruelke Tim gave an update during the call. A Tech Section ballot outlining the changes will be prepared.
- D. Task Force Reports
 - 1. August Meeting we closed Task Force for M333/TP103

V. New Business

- A. Research Proposals Proposal regarding hardware for cable tension barriers did not get approved. Kurt is in the process of following up to determine why it wasn’t approved. Feedback would be helpful going forward. Will try to get it approved again next year. Suggestion made to contact Amir.
- B. AASHTO Re:source/CCRL - Observations from Assessments?
- C. NCHRP Issues



- D. Correspondence, calls, meetings
- E. Presentation by Industry/Academia
- F. Revisions/Work on Standards for Coming Year
- G. Proposed New Standards
- H. Proposed New Task Forces
- I. New TS Ballots? Will prepare a TS ballot for TP 103 to reconcile it with NTPEP protocol.

VI. Open Discussion

Ron asked about the agenda for this summer's meeting. He would like more input from the members. Please contact Ron or Tim with your ideas. If we get the TS ballot out in the next couple of months, we could review the comments and formally cover applicable information at the meeting. We could then propose it for the full SOM (COMP) ballot.

VII. Adjourn

3:01 p.m.

AASHTO Electronic Balloting System
Ballot Detail Report

Ballot Detail

Ballot Name:	TS4d Reconfirmation Ballot 2017
Ballot Manager:	Evan Rothblatt
Ballot Start Date:	10/18/2017
Ballot Due Date:	11/10/2017

TS4d Reconfirmation Ballot 2017

Item Number:	1
Description:	Reconfirm M269
Decisions:	Affirmative: 14 of 16 Negative: 0 of 16 No Vote: 2 of 16

Agency (Individual Name)	Comments	Decision	Response Attachment
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AASHTO re:source (Robert Lutz)
(rlutz@ashtoresource.org)

AASHTO re:source (Maria Knake)
(mknake@ashtoresource.org)

Tennessee Department of Transportation (Danny L. Lane)
(danny.lane@tn.gov)

AASHTO re:source (Steven Lenker)
(slenker@ashtoresource.org)

American Association of State Highway and Transportation Officials (Evan Rothblatt)
(erthblatt@ashto.org)

Missouri Department of Transportation (Dave D Ahlvers)
(david.ahlvers@modot.mo.gov)

Affirmative Vote

American Association of State Highway and Transportation Officials (Henry Lacinak)
(hlacinak@ashto.org)

Federal Highway Administration (Dennis V Dvorak) (dennis.dvorak@dot.gov)	
AASHTO re:source (Tracy Barnhart) (tbarnhart@ashtoresource.org)	
Illinois Department of Transportation (Kelly L Morse) (Kelly.Morse@illinois.gov)	
3M (Todd A. Ballen) (taballen@mmm.com)	
Wheeling-Nisshin (Art Bertol) (artb@wheeling-nisshin.com)	
Orafol Americas Inc. (Chris Gaudette) (chris.gaudette@orafol.com)	Abstain
Kansas Department of Transportation (Richard A Barezinsky) (rick.barezinsky@ks.gov)	Affirmative
West Virginia Department of Transportation (Ron L Stanevich) (ron.l.stanevich@wv.gov)	Affirmative
Tennessee Department of Transportation (Brian K. Egan) (brian.egan@tn.gov)	Affirmative
Ontario Ministry Of Transportation (Becca Lane) (becca.lane@ontario.ca)	Affirmative
Ohio Department of Transportation (Lisa Zigmund) (Lisa.zigmund@dot.ohio.gov)	Affirmative
Connecticut Department of Transportation (Leo Louis Fontaine) (leo.fontaine@ct.gov)	Affirmative
Florida Department of Transportation (Timothy J. Ruelke) (timothy.ruelke@dot.stATe.fl.us)	Affirmative
Louisiana Department of Transportation and Development (Jason Davis) (jason.davis@la.gov)	Affirmative

Illinois Department of Transportation (Jim Trepanier) (james.trepanier@illinois.gov)	Affirmative
Rhode Island Department of Transportation (Jose S Lima) (jose.lima@dot.ri.gov)	Affirmative
Washington State Department of Transportation (Kurt R Williams) (willikr@wsdot.wa.gov)	Affirmative
Minnesota Department of Transportation (Curt Turgeon) (curt.turgeon@state.mn.us)	Affirmative
Georgia Department of Transportation (Richard Douds) (rdouds@dot.ga.gov)	Affirmative
Virginia Department of Transportation (William R Bailey) (bill.bailey@vdot.virginia.gov)	Affirmative
Massachusetts Department of Transportation (John E Grieco) (john.grieco@state.ma.us)	No Vote
Kentucky Transportation Cabinet (Brandi Ramona Mitchell) (brandi.mitchell@ky.gov)	No Vote

Item Number:	2
Description:	Reconfirm M279
Decisions:	Affirmative: 14 of 16 Negative: 0 of 16 No Vote: 2 of 16

Agency (Individual Name)	Comments	Decision	Response Attachment
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AASHTO re:source (Robert Lutz)
(rlutz@ashtoresource.org)

AASHTO re:source (Maria Knake)
(mknake@ashtoresource.org)

Tennessee Department of
Transportation (Danny L. Lane)
(danny.lane@tn.gov)

AASHTO re:source (Steven
Lenker)

(slenker@ashtoresource.org)

American Association of State
Highway and Transportation
Officials (Evan Rothblatt)

(erthblatt@ashto.org)

Missouri Department of
Transportation (Dave D Ahlvers)

(david.ahlvers@modot.mo.gov)

American Association of State
Highway and Transportation
Officials (Henry Lacinak)

(hlacinak@ashto.org)

Federal Highway Administration
(Dennis V Dvorak)

(dennis.dvorak@dot.gov)

AASHTO re:source (Tracy
Barnhart)

(tbarnhart@ashtoresource.org)

Illinois Department of
Transportation (Kelly L Morse)

(Kelly.Morse@illinois.gov)

3M (Todd A. Ballen)

(taballen@mmm.com)

Wheeling-Nisshin (Art Bertol)

(artb@wheeling-nisshin.com)

Orafol Americas Inc. (Chris
Gaudette)

(chris.gaudette@orafol.com)

Kansas Department of
Transportation (Richard A
Barezinsky)

(rick.barezinsky@ks.gov)

West Virginia Department of
Transportation (Ron L Stanevich)

(ron.l.stanevich@wv.gov)

Tennessee Department of
Transportation (Brian K. Egan)

(brian.egan@tn.gov)

Ontario Ministry Of
Transportation (Becca Lane)

(becca.lane@ontario.ca)

Affirmative Vote

Abstain

Affirmative

Affirmative

Affirmative

Affirmative

Ohio Department of
Transportation (Lisa Zigmund)
(Lisa.zigmund@dot.ohio.gov)

Affirmative

Connecticut Department of
Transportation (Leo Louis
Fontaine) (leo.fontaine@ct.gov)

Affirmative

Florida Department of
Transportation (Timothy J.
Ruelke)
(timothy.ruelke@dot.stAte.fl.us)

Affirmative

Louisiana Department of
Transportation and Development
(Jason Davis)
(jason.davis@la.gov)

Affirmative

Illinois Department of
Transportation (Jim Trepanier)
(james.trepanier@illinois.gov)

Affirmative

1. Section 1.3 states:
"The values stated
in SI units are to be
regarded as the
standard. The
values given in
parentheses are for
information only."
Throughout the M
279 specification the
values in
parentheses are in
SI units. Consider
revising Section 1.3
as follows: "The
values stated in
inch-pound units are
to be regarded as
the standard. The
values given in
parentheses are for
information only."
2. Section 2.2: ASTM
Standard B6 is not
referenced in M
279.
3. Table 3: Revise
"Tensile Strength
Grade, (ksi)" to
"Tensile Strength

Grade, ksi (MPa)."
Also, provide MPa
values in
parentheses for
Tensile Strength.

Rhode Island Department of Transportation (Jose S Lima) (jose.lima@dot.ri.gov)	Affirmative
Washington State Department of Transportation (Kurt R Williams) (willikr@wsdot.wa.gov)	Affirmative
Minnesota Department of Transportation (Curt Turgeon) (curt.turgeon@state.mn.us)	Affirmative
Georgia Department of Transportation (Richard Douds) (rdouds@dot.ga.gov)	Affirmative
Virginia Department of Transportation (William R Bailey) (bill.bailey@vdot.virginia.gov)	Affirmative
Massachusetts Department of Transportation (John E Grieco) (john.grieco@state.ma.us)	No Vote
Kentucky Transportation Cabinet (Brandi Ramona Mitchell) (brandi.mitchell@ky.gov)	No Vote

Item Number:	3
Description:	Reconfirm M280
Decisions:	Affirmative: 14 of 16 Negative: 0 of 16 No Vote: 2 of 16

Agency (Individual Name)	Comments	Decision	Response Attachment
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AASHTO re:source (Robert Lutz)
(rlutz@ashtoresource.org)
AASHTO re:source (Maria
Knake)
(mknake@ashtoresource.org)

Tennessee Department of
Transportation (Danny L. Lane)
(danny.lane@tn.gov)

AASHTO re:source (Steven
Lenker)
(slenker@ashtoresource.org)

American Association of State
Highway and Transportation
Officials (Evan Rothblatt)
(erthblatt@ashto.org)

Missouri Department of
Transportation (Dave D Ahlvers)
(david.ahlvers@modot.mo.gov)

Affirmative Vote

American Association of State
Highway and Transportation
Officials (Henry Lacinak)
(hlacinak@ashto.org)

Federal Highway Administration
(Dennis V Dvorak)
(dennis.dvorak@dot.gov)

AASHTO re:source (Tracy
Barnhart)
(tbarnhart@ashtoresource.org)

Illinois Department of
Transportation (Kelly L Morse)
(Kelly.Morse@illinois.gov)

3M (Todd A. Ballen)
(taballen@mmm.com)

Wheeling-Nisshin (Art Bertol)
(artb@wheeling-nisshin.com)

Orafol Americas Inc. (Chris
Gaudette)
(chris.gaudette@orafol.com)

Abstain

Kansas Department of
Transportation (Richard A
Barezinsky)
(rick.barezinsky@ks.gov)

Affirmative

West Virginia Department of
Transportation (Ron L Stanevich)
(ron.l.stanevich@wv.gov)

Affirmative

Tennessee Department of
Transportation (Brian K. Egan)
(brian.egan@tn.gov)

Affirmative

Ontario Ministry Of Transportation (Becca Lane) (becca.lane@ontario.ca)	Affirmative
Ohio Department of Transportation (Lisa Zigmund) (Lisa.zigmund@dot.ohio.gov)	Affirmative
Connecticut Department of Transportation (Leo Louis Fontaine) (leo.fontaine@ct.gov)	Affirmative
Florida Department of Transportation (Timothy J. Ruelke) (timothy.ruelke@dot.stAte.fl.us)	Affirmative
Louisiana Department of Transportation and Development (Jason Davis) (jason.davis@la.gov)	Affirmative
Illinois Department of Transportation (Jim Trepanier) (james.trepanier@illinois.gov)	Affirmative
	1. Section 2.1: AASHTO Standard T 65M/T 65 is not referenced in M 180.
Rhode Island Department of Transportation (Jose S Lima) (jose.lima@dot.ri.gov)	Affirmative
Washington State Department of Transportation (Kurt R Williams) (willikr@wsdot.wa.gov)	Affirmative
Minnesota Department of Transportation (Curt Turgeon) (curt.turgeon@state.mn.us)	Affirmative
Georgia Department of Transportation (Richard Douds) (rdouds@dot.ga.gov)	Affirmative
Virginia Department of Transportation (William R Bailey) (bill.bailey@vdot.virginia.gov)	Affirmative
Massachusetts Department of Transportation (John E Grieco) (john.grieco@state.ma.us)	No Vote

Kentucky Transportation Cabinet
 (Brandi Ramona Mitchell)
 (brandi.mitchell@ky.gov)

No Vote

Item Number:	4
Description:	Reconfirm M281
Decisions:	Affirmative: 14 of 16 Negative: 0 of 16 No Vote: 2 of 16

Agency (Individual Name)	Comments	Decision	Response Attachment
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AASHTO re:source (Robert Lutz)
 (rlutz@ashtoresource.org)

AASHTO re:source (Maria Knake)
 (mknake@ashtoresource.org)

Tennessee Department of Transportation (Danny L. Lane)
 (danny.lane@tn.gov)

AASHTO re:source (Steven Lenker)
 (slenker@ashtoresource.org)

American Association of State Highway and Transportation Officials (Evan Rothblatt)
 (erthblatt@ashto.org)

Missouri Department of Transportation (Dave D Ahlvers)
 (david.ahlvers@modot.mo.gov)

Affirmative Vote

American Association of State Highway and Transportation Officials (Henry Lacinak)
 (hlacinak@ashto.org)

Federal Highway Administration (Dennis V Dvorak)
 (dennis.dvorak@dot.gov)

AASHTO re:source (Tracy Barnhart)
 (tbarnhart@ashtoresource.org)

Illinois Department of Transportation (Kelly L Morse)
 (Kelly.Morse@illinois.gov)

3M (Todd A. Ballen) (taballen@mmm.com)		
Wheeling-Nisshin (Art Bertol) (artb@wheeling-nisshin.com)		
Orafol Americas Inc. (Chris Gaudette) (chris.gaudette@orafol.com)	Abstain	
Kansas Department of Transportation (Richard A Barezinsky) (rick.barezinsky@ks.gov)		Affirmative
West Virginia Department of Transportation (Ron L Stanevich) (ron.l.stanevich@wv.gov)		Affirmative
Tennessee Department of Transportation (Brian K. Egan) (brian.egan@tn.gov)		Affirmative
Ontario Ministry Of Transportation (Becca Lane) (becca.lane@ontario.ca)		Affirmative
Ohio Department of Transportation (Lisa Zigmund) (Lisa.zigmund@dot.ohio.gov)		Affirmative
Connecticut Department of Transportation (Leo Louis Fontaine) (leo.fontaine@ct.gov)		Affirmative
Florida Department of Transportation (Timothy J. Ruelke) (timothy.ruelke@dot.stAte.fl.us)		Affirmative
Louisiana Department of Transportation and Development (Jason Davis) (jason.davis@la.gov)		Affirmative
Illinois Department of Transportation (Jim Trepanier) (james.trepanier@illinois.gov)		Affirmative

1. Section 5.1: Revise "Material furnished under this ASTM specification" to "Material furnished under this AASHTO specification" at the

beginning of the sentence.

Rhode Island Department of Transportation (Jose S Lima) (jose.lima@dot.ri.gov)	Affirmative
Washington State Department of Transportation (Kurt R Williams) (willikr@wsdot.wa.gov)	Affirmative
Minnesota Department of Transportation (Curt Turgeon) (curt.turgeon@state.mn.us)	Affirmative
Georgia Department of Transportation (Richard Douds) (rdouds@dot.ga.gov)	Affirmative
Virginia Department of Transportation (William R Bailey) (bill.bailey@vdot.virginia.gov)	Affirmative
Massachusetts Department of Transportation (John E Grieco) (john.grieco@state.ma.us)	No Vote
Kentucky Transportation Cabinet (Brandi Ramona Mitchell) (brandi.mitchell@ky.gov)	No Vote

Item Number:	5
Description:	Reconfirm M290
Decisions:	Affirmative: 14 of 16 Negative: 0 of 16 No Vote: 2 of 16

Agency (Individual Name)	Comments	Decision	Response Attachment
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AASHTO re:source (Robert Lutz)
(rlutz@ashtoresource.org)
AASHTO re:source (Maria Knake)
(mknake@ashtoresource.org)
Tennessee Department of Transportation (Danny L. Lane)
(danny.lane@tn.gov)

AASHTO re:source (Steven Lenker)
(slenker@ashtoresource.org)

American Association of State Highway and Transportation Officials (Evan Rothblatt)
(erthblatt@ashto.org)

Missouri Department of Transportation (Dave D Ahlvers)
(david.ahlvers@modot.mo.gov)

American Association of State Highway and Transportation Officials (Henry Lacinak)
(hlacinak@ashto.org)

Federal Highway Administration (Dennis V Dvorak)
(dennis.dvorak@dot.gov)

AASHTO re:source (Tracy Barnhart)
(tbarnhart@ashtoresource.org)

Illinois Department of Transportation (Kelly L Morse)
(Kelly.Morse@illinois.gov)

3M (Todd A. Ballen)
(taballen@mmm.com)

Wheeling-Nisshin (Art Bertol)
(artb@wheeling-nisshin.com)

Orafol Americas Inc. (Chris Gaudette)
(chris.gaudette@orafol.com)

Kansas Department of Transportation (Richard A Barezinsky)
(rick.barezinsky@ks.gov)

West Virginia Department of Transportation (Ron L Stanevich)
(ron.l.stanevich@wv.gov)

Tennessee Department of Transportation (Brian K. Egan)
(brian.egan@tn.gov)

Affirmative Vote

Affirmative with comment.
Are these still used for signs? If not, title should be revised to exclude the sign reference.

Abstain

Affirmative

Affirmative

Affirmative

Ontario Ministry Of Transportation (Becca Lane) (becca.lane@ontario.ca)	Affirmative
Ohio Department of Transportation (Lisa Zigmund) (Lisa.zigmund@dot.ohio.gov)	Affirmative
Connecticut Department of Transportation (Leo Louis Fontaine) (leo.fontaine@ct.gov)	Affirmative
Florida Department of Transportation (Timothy J. Ruelke) (timothy.ruelke@dot.stAte.fl.us)	Affirmative
Louisiana Department of Transportation and Development (Jason Davis) (jason.davis@la.gov)	Affirmative
Illinois Department of Transportation (Jim Trepanier) (james.trepanier@illinois.gov)	Affirmative
Rhode Island Department of Transportation (Jose S Lima) (jose.lima@dot.ri.gov)	Affirmative
Washington State Department of Transportation (Kurt R Williams) (willikr@wsdot.wa.gov)	Affirmative
Minnesota Department of Transportation (Curt Turgeon) (curt.turgeon@state.mn.us)	Affirmative
Georgia Department of Transportation (Richard Douds) (rdouds@dot.ga.gov)	Affirmative
Virginia Department of Transportation (William R Bailey) (bill.bailey@vdot.virginia.gov)	Affirmative
Massachusetts Department of Transportation (John E Grieco) (john.grieco@state.ma.us)	No Vote
Kentucky Transportation Cabinet (Brandi Ramona Mitchell) (brandi.mitchell@ky.gov)	No Vote

Item Number:	6
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Description:	Reconfirm T257
Decisions:	Affirmative: 14 of 16 Negative: 0 of 16 No Vote: 2 of 16

Agency (Individual Name)	Comments	Decision	Response Attachment
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AASHTO re:source (Robert Lutz)
(rlutz@ashtoresource.org)

AASHTO re:source (Maria Knake)
(mknake@ashtoresource.org)

Tennessee Department of Transportation (Danny L. Lane)
(danny.lane@tn.gov)

AASHTO re:source (Steven Lenker)
(slenker@ashtoresource.org)

American Association of State Highway and Transportation Officials (Evan Rothblatt)
(erthblatt@ashto.org)

Missouri Department of Transportation (Dave D Ahlvers)
(david.ahlvers@modot.mo.gov)

Affirmative Vote

American Association of State Highway and Transportation Officials (Henry Lacinak)
(hlacinak@ashto.org)

Federal Highway Administration (Dennis V Dvorak)
(dennis.dvorak@dot.gov)

AASHTO re:source (Tracy Barnhart)
(tbarnhart@ashtoresource.org)

Illinois Department of Transportation (Kelly L Morse)
(Kelly.Morse@illinois.gov)

Affirmative. Need to make sure to keep up with ASTM method changes. Current with the 2013 versions.

3M (Todd A. Ballen)
(taballen@mmm.com)

Wheeling-Nisshin (Art Bertol) (artb@wheeling-nisshin.com)	
Orafol Americas Inc. (Chris Gaudette) (chris.gaudette@orafol.com)	Affirmative
Kansas Department of Transportation (Richard A Barezinsky) (rick.barezinsky@ks.gov)	Affirmative
West Virginia Department of Transportation (Ron L Stanevich) (ron.l.stanevich@wv.gov)	Affirmative
Tennessee Department of Transportation (Brian K. Egan) (brian.egan@tn.gov)	Affirmative
Ontario Ministry Of Transportation (Becca Lane) (becca.lane@ontario.ca)	Affirmative
Ohio Department of Transportation (Lisa Zigmund) (Lisa.zigmund@dot.ohio.gov)	Affirmative
Connecticut Department of Transportation (Leo Louis Fontaine) (leo.fontaine@ct.gov)	Affirmative
Florida Department of Transportation (Timothy J. Ruelke) (timothy.ruelke@dot.stATe.fl.us)	Affirmative
Louisiana Department of Transportation and Development (Jason Davis) (jason.davis@la.gov)	Affirmative
Illinois Department of Transportation (Jim Trepanier) (james.trepanier@illinois.gov)	Affirmative
Rhode Island Department of Transportation (Jose S Lima) (jose.lima@dot.ri.gov)	Affirmative
Washington State Department of Transportation (Kurt R Williams) (willikr@wsdot.wa.gov)	Affirmative

Minnesota Department of Transportation (Curt Turgeon) (curt.turgeon@state.mn.us)	Affirmative
Georgia Department of Transportation (Richard Douds) (rdouds@dot.ga.gov)	Affirmative
Virginia Department of Transportation (William R Bailey) (bill.bailey@vdot.virginia.gov)	Affirmative
Massachusetts Department of Transportation (John E Grieco) (john.grieco@state.ma.us)	No Vote
Kentucky Transportation Cabinet (Brandi Ramona Mitchell) (brandi.mitchell@ky.gov)	No Vote

Item Number:	7
Description:	Reconfirm TP103 Affirmative vote means approving a 1-year extension as-is. Negative vote means do not extend as-is; need to provide proposed revisions.
Decisions:	Affirmative: 14 of 16 Negative: 0 of 16 No Vote: 2 of 16

Agency (Individual Name)	Comments	Decision	Response Attachment
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AASHTO re:source (Robert Lutz)
(rlutz@ashtoresource.org)

AASHTO re:source (Maria Knake)
(mknake@ashtoresource.org)

Tennessee Department of
Transportation (Danny L. Lane)
(danny.lane@tn.gov)

AASHTO re:source (Steven Lenker)
(slenker@ashtoresource.org)

American Association of State
Highway and Transportation
Officials (Evan Rothblatt)
(erothblatt@ashto.org)

Missouri Department of Transportation (Dave D Ahlvers) (david.ahlvers@modot.mo.gov) American Association of State Highway and Transportation Officials (Henry Lacinak) (hlacinak@ashto.org) Federal Highway Administration (Dennis V Dvorak) (dennis.dvorak@dot.gov) AASHTO re:source (Tracy Barnhart) (tbarnhart@ashtoresource.org) Illinois Department of Transportation (Kelly L Morse) (Kelly.Morse@illinois.gov) 3M (Todd A. Ballen) (taballen@mmm.com) Wheeling-Nisshin (Art Bertol) (artb@wheeling-nisshin.com) Orafol Americas Inc. (Chris Gaudette) (chris.gaudette@orafol.com)	Affirmative Vote	
Kansas Department of Transportation (Richard A Barezinsky) (rick.barezinsky@ks.gov) West Virginia Department of Transportation (Ron L Stanevich) (ron.l.stanevich@wv.gov) Tennessee Department of Transportation (Brian K. Egan) (brian.egan@tn.gov) Ontario Ministry Of Transportation (Becca Lane) (becca.lane@ontario.ca) Ohio Department of Transportation (Lisa Zigmund) (Lisa.zigmund@dot.ohio.gov) Connecticut Department of Transportation (Leo Louis Fontaine) (leo.fontaine@ct.gov)	Abstain	Affirmative Affirmative Affirmative Affirmative Affirmative

Florida Department of Transportation (Timothy J. Ruelke) (timothy.ruelke@dot.state.fl.us)	Affirmative
Louisiana Department of Transportation and Development (Jason Davis) (jason.davis@la.gov)	Affirmative
Illinois Department of Transportation (Jim Trepanier) (james.trepanier@illinois.gov)	Affirmative
Rhode Island Department of Transportation (Jose S Lima) (jose.lima@dot.ri.gov)	Affirmative
Washington State Department of Transportation (Kurt R Williams) (willikr@wsdot.wa.gov)	Affirmative
Minnesota Department of Transportation (Curt Turgeon) (curt.turgeon@state.mn.us)	Affirmative
Georgia Department of Transportation (Richard Douds) (rdouds@dot.ga.gov)	Affirmative
Virginia Department of Transportation (William R Bailey) (bill.bailey@vdot.virginia.gov)	Affirmative
Massachusetts Department of Transportation (John E Grieco) (john.grieco@state.ma.us)	No Vote
Kentucky Transportation Cabinet (Brandi Ramona Mitchell) (brandi.mitchell@ky.gov)	No Vote

Date: 11/13/2017

Technical Subcommittee Action Required Summary—Full Standards

TS 4d

Designation No.	Title	ASTM Equiv.	Action Needed
M 030-15	Metallic-Coated Steel Wire Rope and Fittings for Highway Guardrail	A741-11e1	Revise or Reconfirm
M 180-12 (2017)	Corrugated Sheet Steel Beams for Highway Guardrail		No
M 181-10 (2015)	Chain-Link Fence		Revise or Reconfirm
M 268-15	Retroreflective Sheeting for Flat and Vertical Traffic Control Applications		Revise or Reconfirm
M 269-96 (2018)	Turnbuckles and Shackles		No
M 279-14 (2018)	Metallic-Coated, Steel Woven Wire Fence Fabric	A116-11	No
M 280-14 (2018)	Metallic-Coated (Carbon) Steel Barbed Wire	A121-13	No
M 281-96 (2018)	Steel Fence Posts and Assemblies, Hot-Wrought	A702-89(1994)e1	No
M 290-96 (2018)	Acrylic Prismatic Reflectors and Embossed Aluminum Frames for Signs		No
M 333-16	Detectable Warning Surfaces		No
T 257-96 (2018)	Instrumental Photometric Measurements of Retroreflective Materials and Retroreflective Devices		No