

**AASHTO SUBCOMMITTEE ON MATERIALS
TECHNICAL SECTION 4d - SAFETY DEVICES
99th ANNUAL MEETING-STATE LINE, NV
AUGUST 4TH , 2013**

Minutes

- 1.0 CALL TO ORDER/OPENING REMARKS/GENERAL BUSINESS**
Circulation of the sign in sheets
- 2.0 MEMBERSHIP UPDATE**
We currently do not have an FHWA liaison – chair requests that AASHTO talk with FHWA to get a liaison for the Technical Section

Review of membership listing and a request for any additional members from the state DOTs.

Tim Reulke (FL) asked to be a member
- 3.0 APPROVE LIVE MEETING/CONFERENCE CALL TECHNICAL SECTION 4D MEETING MINUTES, MARCH 5, 2013**
Last year’s meeting minutes approved on the call.
Motion to approve conference call minutes from Curt Turgeon (MN)/Second Danny Lane (TN)
Motion passed by voice vote
- 4.0 ASSIGNED STANDARDS**
Four year reconfirmation of Standards M269, M281, M290, and T257 was approved, MP12 was approved with comment. The MP12 comment from Pete Kemp was resolved by phone.
- 5.0 2013 TECHNICAL SECTION BALLOTSa**

Chair requested additional stewards as follows:
Steward for M280 has retired. Requested volunteer for replacement Curt Turgeon (MN) volunteered
Requested additional steward for M290.
Steve Krebs (Pete Kemp) volunteered to assist Danny Lane as steward.
- 5.1 Revise M 280-09 in accordance with the latest revision of ASTM A 121-13**
Revision is editorial and will be handled by the Chair if any technical changes are brought forward there will be a TS ballot (Sent for concurrent ballot)
- 5.2 M 30-02(2010)**

a) Editorial revisions completed in 2012 to M 30-02 in accordance with A 741-11
Need Tech section ballot for technical revisions. Will send to TS ballot after meeting and forward for letter ballot in the fall.
Has there been a discussion regarding the differences between misch metal and zinc? (Ahearn)

The decision has been to leave the thicknesses the same for ZN and misch metal (Franco)

5.3 M 279-09

- a) Editorial revisions completed in 2012 to M 279-09 in accordance with A 116-11
Need Tech section ballot to change the revision date.
Send at the end of the meeting for reconfirmation.

6.0 2012 SOM BALLOTS

6.1 SOM ballot Item 85 (M 268) Action items as discussed during the 2013 live meeting conference call SOM

Actions from the web meeting.

VA/ID: Consideration for thicker aluminum panels. Alternate wording has been sent to the chair for consideration. This wording will be included and the revised standard is proposed for concurrent ballot.

(Bailey VA Motion/Lane TN Second) voice passed for sending to concurrent ballot

Proposed 20-7 research statement for the selection of Sign Sheeting Materials provided through TTI and VDOT. Chair suggests that it should be slightly revised for a full study.

What is the proposed outcome for the research? This should be how the research statement be revised (Hanna).

Amir (TRB) agreed to revise the research problem statement for full research proposal.

Kelly Morse consideration for the delta E calculations: report by Lippert the equation in 2244 is no longer considered for use. Illinois is a legacy user of the calculation. IL recommends that M268 include D2244 as a reference document and refer the document in section 5.7. There are other states that utilize other color calculations. (see Kelly Morse comments in notes from conference call attached).

KY is in favor of introducing the delta E calculations. Basing the color shift on LAB values – provides 3 dimensional model of the color and color shift.

Gene Carlson (3M) the cLAB system is current and the xyY system is an artifact that makes it difficult to describe color.

Should the standard be revised to utilize the LAB system? (Bailey – (VA))

Assigned to TF for M268 report at mid-year call (David Lippert; Henry Lacinak)

Motion to accept the proposal by Kelly Morse (motion Curt Turgeon/second Danny Lane) Voice vote passed

TX requested revision to require black overlay film to be acrylic. Table to confer with Henry Lacinak to determine if language is available (Darren Hazlett) intend to provide for concurrent ballot

6.2 Item 86 (TP 103) Action items as discussed during the 2013 live meeting conference call Review of action items from conference call. One change to referenced figure additional discussion items resulted in no change to the specification.

7.0 TASK FORCE REPORTS

7.1 TF M268 2009 - M 268 - Retroreflective Sheeting for Flat and Vertical Traffic Control Applications, Chair- Dave Lippert (IL)

– Task Force review of conference call/live meeting proposed action items for M268 and provide recommendations to Tech Section 4d Committee.

Continue TF. Need additional input: Todd Ballen (3M); David Kunięga (PA); volunteered Jack volunteered to find an additional contact for the color specifications

7.2 TF TP1032010 – Standard: TP 103 Detectable Warning Systems, Chair – Steven Krebs (WI)

Previously discussed – this TF will be continued.

8.0 OLD BUSINESS

9.0 NEW BUSINESS

9.1 Wire Guardrail Specification NCHRP research proposal

Several Vendor specific specifications. The committee would like to see a generic specification. Motion to send proposal to 20-7 (Curt Turgeon/Danny Lane) Passed voice vote

9.2 Question from Jack Springer regarding rumble strips/stripes on thin overlays. Research proposal from SCOHTS that was not accepted as a full proposal and needs to be revised for submittal. Would this committee consider submitting a research proposal for rumble strips on thin overlays?

9.2.1 Committee doesn't think there is a problem with shoulder rumbles as they are not covered with thin overlays. Will ask AASHTO to further define the problem presented from the Safety committee.

9.3 Mid-Year Web Conference date: February 12

9.4 Research Liaison – Darren Hazlett

9.5 Friends of the Committee – we will be balloting addition of the language in our Operations Guide – we are still working out some details regarding the Friends. There can only be one representative per company. We would like academia and industry to be equally considered. Request sent through the TS Chair Colin Franco and copy Henry Lacinak

9.0 ADJOURN

8/6/13
Tuesday 10:15am

2013 AASHTO's Subcommittee on Materials Meeting
Stateline, Nevada

Attendance Sheet for Breakout Session #2: Technical Session 4d- Safety Devices (Guardrail, Fencing, Attenuators, Signs and Signals)

** If your name is not listed, please add your contact information to the end of the list. Thank you! **

Attending	TS Member	Last Name	First Name	Company	Email Address	Work Phone
<input type="checkbox"/>	<input type="checkbox"/>	Abadie	Chris	LA DOTD	chris.abadie@la.gov	225-248-4131
<input type="checkbox"/>	<input type="checkbox"/>	Adams	Bill	Hancock Concrete	bill.adams@hancockconcrete.com	712-212-3344
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ahearn	William	Vermont Agency of Transp.	bill.ahearn@state.vt.us	802-828-2561
<input type="checkbox"/>	<input type="checkbox"/>	Ahlstrom	Gina	FHWA	gina.ahlstrom@dot.gov	202-366-4612
<input type="checkbox"/>	<input type="checkbox"/>	Ahmad	Riaz	iENGINEERING Corporation	rahmad@iengineering.com	703-722-2980
<input type="checkbox"/>	<input type="checkbox"/>	Allen	Chad	State of Vermont	chad.allen@state.vt.us	802-828-6924
<input type="checkbox"/>	<input type="checkbox"/>	Andersen	Roger	Potters Industires	andy.andersen@pottersbeads.com	941-266-8442
<input type="checkbox"/>	<input type="checkbox"/>	Arnold	Gene	Ergon Asphalt and Emulsions	gene.arnold@ergon.com	901-277-1700
<input type="checkbox"/>	<input type="checkbox"/>	Austin	Chuck	IHS	chuck.austin@ihs.com	256.489.3038
<input type="checkbox"/>	<input type="checkbox"/>	Azari	Haleh	AASHTO	azari@aaprl.org	301-975-2112
<input type="checkbox"/>	<input type="checkbox"/>	Babish	Andy	Virginia DOT	Andy.Babish@VDOT.Virginia.gov	804 328-3102
<input type="checkbox"/>	<input type="checkbox"/>	Bailey	Bill	Virginia DOT	Bill.Bailey@VDOT.Virginia.gov	804 328-3106
<input type="checkbox"/>	<input type="checkbox"/>	Baker	Thomas	Washington State DOT	BakerT@wsdot.wa.gov	360 709-5401
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ballen	Todd	3M	taballen@mmm.com	651-575-0851
<input type="checkbox"/>	<input type="checkbox"/>	Barnhart	Tracy	AMRL	tbarnhart@amrl.net	2404364802
<input type="checkbox"/>	<input type="checkbox"/>	Baryluk	Greg	Advanced Drainage Systems, Inc.	greg.baryluk@ads-pipe.com	614-658-0126
<input type="checkbox"/>	<input type="checkbox"/>	Beakley	Josh	ACPA	jbeakley@concrete-pipe.org	972-894-2906
<input type="checkbox"/>	<input type="checkbox"/>	Beavin	Mike	Asphalt Institute	Mtbeavin@asphaltinstitute.org	859-608-1947
<input type="checkbox"/>	<input type="checkbox"/>	Benson	Michael	Arkansas State Highway and Transp. Dept.	michael.benson@arkansashighways.com	501-569-2185
<input type="checkbox"/>	<input type="checkbox"/>	Bergold	Desna	WAQTC	dbconsulting.desna@gmail.com	801-721-7146
<input type="checkbox"/>	<input type="checkbox"/>	Blackburn	Lyndi	Alabama DOT	blackburnl@dot.state.al.us	334-206-2203
<input type="checkbox"/>	<input type="checkbox"/>	Blackhurst	Don	Potters Industries LLC	don.blackhurst@pottersbeads.com	6106514316
<input type="checkbox"/>	<input type="checkbox"/>	Blair	Bruce	Lafarge	bruce.blair@lafarge.com	703 480 6622
<input type="checkbox"/>	<input type="checkbox"/>	Bohn	Greg	Advanced Drainage Systems, Inc.	greg.bohn@ads-pipe.com	614-588-6830
<input type="checkbox"/>	<input type="checkbox"/>	Bradbury	Richard	Maine Department of Transportation	richard.bradbury@maine.gov	207-441-2474
<input type="checkbox"/>	<input type="checkbox"/>	Buckshaw	Dennis	AP/M Permaform	dennis@permaform.net	800-662-6465
<input type="checkbox"/>	<input type="checkbox"/>	Bukowski	John	FHWA/ Office of Infrastructure	john.bukowski@dot.gov	202-366-1287
<input type="checkbox"/>	<input type="checkbox"/>	Capehart	Rocky	Sprayroq, Inc	rcapehart@sprayroq.com	205-957-0020
<input type="checkbox"/>	<input type="checkbox"/>	Carlson	Doug	Liberty Tire Recycling	dcarlson@libertytire.com	602-751-6039
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Carlson	Eugene	3M Company	ghcarlson1@mmm.com	651-737-3351
<input type="checkbox"/>	<input type="checkbox"/>	Carnate	Gerobin	Hawaii Department of Transportation	gerobin.carnate@hawaii.gov	(808) 832 3405 ext 131
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Castle	Derrick	KYTC Division of Materials	Derrick.Castle@ky.gov	502-564-3160
<input type="checkbox"/>	<input type="checkbox"/>	Castrodale	Reid	Expanded Shale Clay & Slate Institute	rcastrodale@escsi.org	7049047999
<input type="checkbox"/>	<input type="checkbox"/>	Charoenpap	Richie	LA DOTD Materials & Testing	richie.charoenpap@la.gov	225-248-4131
<input type="checkbox"/>	<input type="checkbox"/>	Chestnut	Brian	Lane Enterprises, Inc.	bchestnut@lane-enterprises.com	717-532-5959x1207
<input type="checkbox"/>	<input type="checkbox"/>	Childs	Matt	American Concrete Pipe Association	mchilds@concrete-pipe.org	972-506-7216
<input type="checkbox"/>	<input type="checkbox"/>	Coombs	Shawn	Advanced Drainage Systems, Inc.	shawn.coombs@ads-pipe.com	704-457-8844
<input type="checkbox"/>	<input type="checkbox"/>	Cooper	Andrew	James Cox and Sons	andrew.cooper@jamescoxandsons.com	530-346-8322

2013 AASHTO's Subcommittee on Materials Meeting
Stateline, Nevada

Attendance Sheet for Breakout Session #2: Technical Session 4d- Safety Devices (Guardrail, Fencing, Attenuators, Signs and Signals)

**** If your name is not listed, please add your contact information to the end of the list. Thank you! ****

Attending	TS Member	Last Name	First Name	Company	Email Address	Work Phone
<input type="checkbox"/>	<input type="checkbox"/>	Copeland	Audrey	National Asphalt Pavement Association	audrey@asphaltpavement.org	301-731-4748
<input type="checkbox"/>	<input type="checkbox"/>	Corrigan	Matthew	FHWA	matthew.corrigan@dot.gov	202-366-1549
<input type="checkbox"/>	<input type="checkbox"/>	Cox	Kenneth	TCCC	kenneth.cox@dot.state.fl.us	352-316-2683
<input type="checkbox"/>	<input type="checkbox"/>	Crawford	Gary	Federal Highway Administration	Gary.Crawford@dot.gov	202-366-1286
<input type="checkbox"/>	<input type="checkbox"/>	Currence	Dan	Plastics Pipe Institute (PPI)	dcurrence@plasticpipe.org	469-499-1055
<input type="checkbox"/>	<input type="checkbox"/>	Daleiden	Jerry	Fugro	jdaleiden@fugro.com	512.977.1800
<input type="checkbox"/>	<input type="checkbox"/>	D'Angelo	John	D'Angelo Consulting, LLC	johndangelo@dangeloconsultingllc.com	571-218-9733
<input type="checkbox"/>	<input type="checkbox"/>	Davis	Kaye	Alabama DOT	chancellor@dot.state.al.us	3342062277
<input type="checkbox"/>	<input type="checkbox"/>	Douglass	Carl	Prinsco, Inc	carld@prinsco.com	320-222-6825
<input type="checkbox"/>	<input type="checkbox"/>	Dvorak	Dennis	Federal Highway Administration	dennis.dvorak@dot.gov	(708) 283-3542
<input type="checkbox"/>	<input type="checkbox"/>	Edwards	Dan	AIL Group	dedwards@ail.ca	817-713-9163
<input type="checkbox"/>	<input type="checkbox"/>	Evans	Bill	Ergon Asphalt & Emulsions Inc.	bill.evans@ergon.com	706-975-9339
<input type="checkbox"/>	<input type="checkbox"/>	FARLEY	PAUL	WV DIVISION OF HIGHWAYS	PAUL.M.FARLEY@WV.GOV	3045589880
<input type="checkbox"/>	<input type="checkbox"/>	Felag	Mark	RIDOT	mfelag@dot.ri.gov	401-641-8279
<input type="checkbox"/>	<input type="checkbox"/>	Ferry	Steve	Microbac Laboratories	steve.ferry@microbac.com	720-406-4800
<input type="checkbox"/>	<input type="checkbox"/>	Flowers	Tom	Ergon Asphalt & Emulsions Inc.	tom.flowers@ergon.com	903-258-6186
<input type="checkbox"/>	<input type="checkbox"/>	Franco	Colin	TSP2	ncpp@egr.msu.edu	5174328220
<input type="checkbox"/>	<input type="checkbox"/>	Frizzell	MacKenzie	Mississippi DOT	mfrizzell@mdot.ms.gov	6625634271
<input type="checkbox"/>	<input type="checkbox"/>	Geary	Georgene	Georgia Department of Transportation	ggeary@dot.ga.gov	404-608-4712
<input type="checkbox"/>	<input type="checkbox"/>	GILLISPIE	AARON	WVDOT	AARON.C.GILLISPIE@WV.GOV	3045589892
<input type="checkbox"/>	<input type="checkbox"/>	Graves	Robin	Vulcan Materials Company	gravesr@vmcmail.com	2052983134
<input type="checkbox"/>	<input type="checkbox"/>	Griswold	Mike	State of Nevada DOT	mgriswold@dot.state.nv.us	775-888-7501
<input type="checkbox"/>	<input type="checkbox"/>	Gudiel	Francisco	LA DOTD Materials & Testing	francisco.gudiel@la.gov	225-248-4111
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	hahm	joel	Big R Bridge	jhahm@bigrbridge.com	970-347-2208
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Hainsworth	Greg	Delaware DOT	gregory.hainsworth@state.de.us	302-760-2401
<input type="checkbox"/>	<input type="checkbox"/>	Hale	Steve	Nevada Department of Transportation	shale@dot.state.nv.us	775-888-7460
<input type="checkbox"/>	<input type="checkbox"/>	Hand	Adam	Granite Construction	adam.hand@gcinc.com	775-742-6540
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Hanna	Amir	NCHRP/TRB	ahanna@NAS.EDU	2023341432
<input type="checkbox"/>	<input type="checkbox"/>	Harman	Thomas	FHWA	tom.harman@dot.gov	410-962-7971
<input type="checkbox"/>	<input type="checkbox"/>	Hasty	Charles	Georgia Department of Transportation	chasty@dot.ga.gov	404-608-4708
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Hazlett	Darren	Texas Department of Transportation	darren.hazlett@txdot.gov	512-416-2456
<input type="checkbox"/>	<input type="checkbox"/>	Hebeler	Gregory	Golder Associates Inc.	ghebeler@golder.com	770-496-1893
<input type="checkbox"/>	<input type="checkbox"/>	Heinen	Caroline	TxDOT	caroline.heinen@txdot.gov	512-506-5808
<input type="checkbox"/>	<input type="checkbox"/>	Helmink	Heidi	Bekaert	heidi.helmink@bekaert.com	4044336823
<input type="checkbox"/>	<input type="checkbox"/>	Heyen	Wally	Nebraska Department of Roads	Wally.heyen@nebraska.gov	4024794677
<input type="checkbox"/>	<input type="checkbox"/>	Hite	Jeffery	CEMEX	jefferya.hite@cemex.com	8132204076
<input type="checkbox"/>	<input type="checkbox"/>	hitti	edgard	Paramount Petroleum Corporation	ehitti@ppcla.com	(775) 690-7424
<input type="checkbox"/>	<input type="checkbox"/>	Hoff	Trygve	American Concrete Pipe Association	thoff@concrete-pipe.org	614-506-4867

Want to join

2013 AASHTO's Subcommittee on Materials Meeting
 Stateline, Nevada

Attendance Sheet for Breakout Session #2: Technical Session 4d- Safety Devices (Guardrail, Fencing, Attenuators, Signs and Signals)

** If your name is not listed, please add your contact information to the end of the list. Thank you! **

Attending	TS Member	Last Name	First Name	Company	Email Address	Work Phone
<input type="checkbox"/>	<input type="checkbox"/>	Holsinger	Ronald	AASHTO	rholsinger@amrl.net	(240) 436-4830
<input type="checkbox"/>	<input type="checkbox"/>	Horan	Robert	Asphalt Institute	bhoran@asphaltinstitute.org	8045393036
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hornbuckle	greg	Neenah Foundry	greg.hornbuckle@neenahenterprises.com	314-614-3627
<input type="checkbox"/>	<input type="checkbox"/>	Horner	Ron	ND Department of Transportation	rhorner@nd.gov	701-328-6904
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Horwhat	Robert	PennDOT	rhorwhat@pa.gov	717-787-4720 705.3841
<input type="checkbox"/>	<input type="checkbox"/>	Hurguy	Bill	Arizona Department Of Transportation	bhurguy@azdot.gov	602-712-7286
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ingram	Steven	Alabama Department of Transportation	ingrams@dot.state.al.us	334-206-2335
<input type="checkbox"/>	<input type="checkbox"/>	Innis	Al	Holcim	al.innis@holcim.com	734-529-4183
<input type="checkbox"/>	<input type="checkbox"/>	Irvine	Gary	Asphalt Institute	Girvine@asphaltinstitute.org	859-221-2605
<input type="checkbox"/>	<input type="checkbox"/>	Ishee	Mark	Ergon Asphalt & Emulsions Inc.	mark.ishee@ergon.com	6019333000
<input type="checkbox"/>	<input type="checkbox"/>	Jamshidi	Mostafa	Nebraska Department of Roads	moe.jamshidi@nebraska.gov	402-479-4671
<input type="checkbox"/>	<input type="checkbox"/>	Johnson	Chip	Sprayroq Inc.	cjohnson@sprayroq.com	205-957-0020
<input type="checkbox"/>	<input type="checkbox"/>	Johnson	Brian	AASHTO	bjohnson@amrl.net	240-436-4820
<input type="checkbox"/>	<input type="checkbox"/>	Johnson	James	AASHTO	jjohnson@ashto.org	85-422-3930
<input type="checkbox"/>	<input type="checkbox"/>	Jones	Cecil	Diversified Engineering Services, Inc	cecil.jones@nc.rr.com	919 616-5139
<input type="checkbox"/>	<input type="checkbox"/>	Kaiser	Reid	State of Nevada DOT	rkaiser@dot.state.nv.us	775-888-7520
<input type="checkbox"/>	<input type="checkbox"/>	Kim	Deborah	AASHTO	dkim@ashto.org	202-623-5883
<input type="checkbox"/>	<input type="checkbox"/>	Kleinhans	Danielle	Concrete Reinforcing Steel Institute	dkleinhans@crsi.org	847-517-1200
<input type="checkbox"/>	<input type="checkbox"/>	Knake	Maria	AMRL	mknake@amrl.net	240-436-4804
<input type="checkbox"/>	<input type="checkbox"/>	Kottaka	Mari	Integrated Traffic Systems USA, Inc.	mari@ithermusa.com	7136405931
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Krebs	Steven	WI DEPT OF TRANSPORTATION	steven.krebs@dot.wi.gov	608-246-7930
<input type="checkbox"/>	<input type="checkbox"/>	Kreider	Rick	Kansas Department of Transportation	RickK@ksdot.org	785-296-1195
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Kuniega	David	PennDOT	dkuniega@pa.gov	717 787-3966
<input type="checkbox"/>	<input type="checkbox"/>	Kurdziel	John	Advanced Drainage Systems, Inc.	john.kurdziel@ads-pipe.com	614-658-0211
<input type="checkbox"/>	<input type="checkbox"/>	Kvach	Michael	Asphalt Pavement Alliance	mkvach@asphaltroads.org	301-918-8391
<input type="checkbox"/>	<input type="checkbox"/>	Lacinak	Henry	AASHTO	hlacinak@ashto.org	225-752-2877
<input type="checkbox"/>	<input type="checkbox"/>	Lane	Becca	Ministry of Transportation Ontario	Becca.Lane@ontario.ca	416 235 3512
<input type="checkbox"/>	<input type="checkbox"/>	Lauzon	Robert	Connecticut DOT	robert.lauzon@ct.gov	860-258-0312
<input type="checkbox"/>	<input type="checkbox"/>	Ledesma	Lorie	Integrated Traffic Systems USA, Inc.	sales@ithermusa.com	7136405931
<input type="checkbox"/>	<input type="checkbox"/>	Lenker	Steven	AASHTO	SLENKER@AMRL.NET	240-436-4770
<input type="checkbox"/>	<input type="checkbox"/>	Lewis	Timothy	Federal Highway Administration	Timothy.Lewis@dot.gov	(804)775-3348
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Lippert	David	Illinois Department of Transportation	David.Lippert@Illinois.gov	217-782-7200
<input type="checkbox"/>	<input type="checkbox"/>	Lowe	David	Fugro	roadware@fugro.com	905-567-2870
<input type="checkbox"/>	<input type="checkbox"/>	Lundy	Joe	JM Lundy Associates	jlundy@uta.edu	469-371-9037
<input type="checkbox"/>	<input type="checkbox"/>	Lutz	Robert	AASHTO	rlutz@amrl.net	2404364801
<input type="checkbox"/>	<input type="checkbox"/>	Malusky	Katheryn	AASHTO	kmalusky@ashto.org	202-624-3695
<input type="checkbox"/>	<input type="checkbox"/>	Matteson	Ron	Ergon Asphalt & Emulsions	ron.matteson@ergon.com	7855776990
<input type="checkbox"/>	<input type="checkbox"/>	McDonald	David	Epoxy Interest Group of CRSI	dmcdonald@epoxy.crsi.org	8475325762

2013 AASHTO's Subcommittee on Materials Meeting
 Stateline, Nevada

Attendance Sheet for Breakout Session #2: Technical Session 4d- Safety Devices (Guardrail, Fencing, Attenuators, Signs and Signals)

** If your name is not listed, please add your contact information to the end of the list. Thank you! **

Attending	TS Member	Last Name	First Name	Company	Email Address	Work Phone
<input type="checkbox"/>	<input type="checkbox"/>	McGough	Michael	NCSPA	mmcgough@ncspa.org	7038124701
<input type="checkbox"/>	<input type="checkbox"/>	McNish	Crista	Advanced Drainage Systems, Inc.	crista.mcnish@ads-pipe.com	419-422-1305
<input type="checkbox"/>	<input type="checkbox"/>	Meiner	Heather	Hanson Pipe and Precast	heather.meiner@lehighhanson.com	972-653-3823
<input type="checkbox"/>	<input type="checkbox"/>	Melander	John	John M Melander Consultant	jmmelander@gmail.com	847-942-2332
<input type="checkbox"/>	<input type="checkbox"/>	Mergenmeier	Andy	Federal Highway Administration	andy.mergenmeier@dot.gov	410-962-7971
<input type="checkbox"/>	<input type="checkbox"/>	Metcalfe	Scott	Ergon Asphalt & Emulsions Inc.	scott.metcalfe@ergon.com	909-228-2159
<input type="checkbox"/>	<input type="checkbox"/>	Metcalfe	Ross "Oak"	Montana Department of Transportation	rmetcalfe@mt.gov	406-444-9201
<input type="checkbox"/>	<input type="checkbox"/>	Milburn	Greg	Wyoming Dept. of Transportation	greg.milburn@wyo.gov	307-777-4070
<input type="checkbox"/>	<input type="checkbox"/>	Mitchell	Marc	Paramount Petroleum Corporation	mmitchell@ppcla.com	(916) 539-0100
<input type="checkbox"/>	<input type="checkbox"/>	Mulder	Greg	Iowa Dept. of Transportation	greg.mulder@dot.iowa.gov	515239-1843
<input type="checkbox"/>	<input type="checkbox"/>	Mullis	Cole	Oregon Department of Transportation	cole.f.mullis@odot.state.or.us	503-986-3061
<input type="checkbox"/>	<input type="checkbox"/>	Myers	Allen	Kentucky Transportation Cabinet	allen.myers@ky.gov	502-564-3160
<input type="checkbox"/>	<input type="checkbox"/>	Newman	Garth	WAQTC	garth.newman@itd.idaho.gov	208-334-8039
<input type="checkbox"/>	<input type="checkbox"/>	Orthmeyer	Robert	FHWA	robert.orthmeyer@dot.gov	708-283533
<input type="checkbox"/>	<input type="checkbox"/>	Pakes Ahlman, P.E.,	Angela	University of Wisconsin-Madison	apakes@Sustainability.wisc.edu	608.890.4966
<input type="checkbox"/>	<input type="checkbox"/>	Pan	Charlie	State of Nevada DOT	cpan@dot.state.nv.us	775-888-7789
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pickens	Christopher	Bekaert Corp	chris.pickens@bekaert.com	4043860294
<input type="checkbox"/>	<input type="checkbox"/>	Proctor	Ryan	Ergon Asphalt & Emulsions, Inc	ryan.proctor@ergon.com	3032434607
<input type="checkbox"/>	<input type="checkbox"/>	Prowell	Jan	CCRL	jprowell@astm.org	2404364800
<input type="checkbox"/>	<input type="checkbox"/>	Radoszewski	Tony	Plastic Pipe Institute	tonyr@plasticpipe.org	469-499-1046
<input type="checkbox"/>	<input type="checkbox"/>	Rafalowski	Michael	FHWA	Michael.Rafalowski@dot.gov	202-366-1571
<input type="checkbox"/>	<input type="checkbox"/>	Ramirez	Timothy	Penn Dot	tramirez@pa.gov	717-783-6602
<input type="checkbox"/>	<input type="checkbox"/>	Rangaraju	Prasad	Clemson University	prangar@clemson.edu	8646561241
<input type="checkbox"/>	<input type="checkbox"/>	Reaves	Dick	Troxler Electronic Laboratories, Inc.	dreaves@troxlerlabs.com	919-819-4551
<input type="checkbox"/>	<input type="checkbox"/>	Regimand	Ali	Instrotek, Inc.	aregimand@instrotek.com	919-875-8371
<input type="checkbox"/>	<input type="checkbox"/>	Richins	Jason	AASHTO	jrichins@aaashto.org	202 624-3632
<input type="checkbox"/>	<input type="checkbox"/>	Rothblatt	Evan	AASHTO	erothblatt@aaashto.org	202-624-3648
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ruelke	Timothy	FDOT- State Materials Office	timothy.ruelke@dot.state.fl.us	352-955-6622
<input type="checkbox"/>	<input type="checkbox"/>	Salomon	Delmar	Pavement Preservation Systems LLC	dsalomon@mindspring.com	2086721977
<input type="checkbox"/>	<input type="checkbox"/>	Santi	Mike	Idaho Transportation Department	fred.kreller@itd.idaho.gov	2083348402
<input type="checkbox"/>	<input type="checkbox"/>	Savage	David	CMEC	davesavage@cmecc.org	4076283682
<input type="checkbox"/>	<input type="checkbox"/>	Schiebel	Bill	Colorado Department of Transportation	bill.schiebel@state.co.us	3033986501
<input type="checkbox"/>	<input type="checkbox"/>	Schieber	Greg	Kansas Department of Transportation	gregs@ksdot.org	785-296-7136
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Seiders	Jeff	Raba Kistner Infrastructure	jseiders@rkci.com	512-904-9177
<input type="checkbox"/>	<input type="checkbox"/>	Seiter	Scott	Oklahoma DOT	sseiter@odot.org	405-521-2186
<input type="checkbox"/>	<input type="checkbox"/>	Sickels	Jon	Advanced Drainage Systems, Inc.	jon.sickels@ads-pipe.com	904-347-3311
<input type="checkbox"/>	<input type="checkbox"/>	Simons	Bryce	New Mexico DOT	bryce.simons@state.nm.us	505827-5191
<input type="checkbox"/>	<input type="checkbox"/>	Smith	Greta	AASHTO	gsmith@aaashto.org	2026245815

2013 AASHTO's Subcommittee on Materials Meeting
Stateline, Nevada

Attendance Sheet for Breakout Session #2: Technical Session 4d- Safety Devices (Guardrail, Fencing, Attenuators, Signs and Signals)

**** If your name is not listed, please add your contact information to the end of the list. Thank you! ****

Attending	TS Member	Last Name	First Name	Company	Email Address	Work Phone
<input type="checkbox"/>	<input type="checkbox"/>	SMITH	TIM	Maryland State Highway Administration	TSmith2@sha.state.md.us	443-572-5037
<input type="checkbox"/>	<input type="checkbox"/>	SPRINGER	JACK	Federal Highway Administration	Jack.Springer@dot.gov	2024933144
<input type="checkbox"/>	<input type="checkbox"/>	Stallard	Tim	Michigan Department of Transportation	stallardt@michigan.gov	517-322-6448
<input type="checkbox"/>	<input type="checkbox"/>	Stoltzner	Kirk	EJ	kirk.stoltzner@ejco.com	509.209.0353
<input type="checkbox"/>	<input type="checkbox"/>	Streifel	Callie	Nevada Department of Transportation	cstreifel@dot.state.nv.us	775-888-7460
<input type="checkbox"/>	<input type="checkbox"/>	Sullivan	Michael	MS Department of Transportation	msullivan@mdot.ms.gov	601-359-1666
<input type="checkbox"/>	<input type="checkbox"/>	Sutter	Larry	Michigan Tech Transportation Institute	lsutter@mtu.edu	906 487-2268
<input type="checkbox"/>	<input type="checkbox"/>	Tedford	Darin	State of Nevada DOT	dtedford@dot.state.nv.us	775-888-7784
<input type="checkbox"/>	<input type="checkbox"/>	Toliver	Timothy	Advanced Pipe Services	tim@4pipe.com	4193061129
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Toney	Reynolds	Oklahoma Department of Transportation	rtoney@odot.org	405.521.2677
<input type="checkbox"/>	<input type="checkbox"/>	Traylor	Rick	Rinker Materials Concrete Pipe Div	rick.traylor@cemex.com	832-590-5369
<input type="checkbox"/>	<input type="checkbox"/>	Tritsch	Steven	JC Supply & Manufacturing	Steve@jcsupply.us	913-475-1551
<input type="checkbox"/>	<input type="checkbox"/>	Trolinger	Bill	TDOT	Bill.Trolinger@tn.gov	6153504105
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Turgeon	Curt	Minnesota DOT	curt.turgeon@state.mn.us	651 366 5535
<input type="checkbox"/>	<input type="checkbox"/>	Uherek	Greg	AASHTO	guherek@amrl.net	240-436-4840
<input type="checkbox"/>	<input type="checkbox"/>	Van Ness	Brian	Trinity Highway Products, LLC	brian.vanness@trin.net	2145898970
<input type="checkbox"/>	<input type="checkbox"/>	Veldboom	Lee	EJ	lee.veldboom@ejco.com	231.536.4448
<input type="checkbox"/>	<input type="checkbox"/>	Wade	Tony	Weissker	Tony.wade@weissker.com	903-538-2271
<input type="checkbox"/>	<input type="checkbox"/>	Wagner	David	IHS	david.wagner@ihs.com	407.619.4690
<input type="checkbox"/>	<input type="checkbox"/>	Walker	Ronald	Indiana Department of Transportation	rwalker@indot.in.gov	317-610-7251 x 204
<input type="checkbox"/>	<input type="checkbox"/>	Way	George	Rubberized Asphalt Foundation	wayouta@cox.net	4809909451
<input type="checkbox"/>	<input type="checkbox"/>	West	Randy	NCAT	vinnie@eng.auburn.edu	(334) 844-6244
<input type="checkbox"/>	<input type="checkbox"/>	Williams	Dalton	Mississippi Department of Transportation	drwilliams@mdot.ms.gov	601-249-5202
<input type="checkbox"/>	<input type="checkbox"/>	Williams	Kurt	Washington State DOT	WilliKR@wsdot.wa.gov	360-709-5410
<input type="checkbox"/>	<input type="checkbox"/>	Williams	James	MS Department of Transportation	jwilliams@mdot.ms.gov	601-359-1666
<input type="checkbox"/>	<input type="checkbox"/>	Wilson	Ashley	Hanson Pipe and Precast	ashley.wilson@lehighhanson.com	469-203-0436
<input type="checkbox"/>	<input type="checkbox"/>	Woods	Victoria	Invia Pavement Technologies	victoria.woods@mww.com	573-619-2903
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wu	Peter	Georgia Department of Transportation	pwu@dot.ga.gov	404-608-4840
<input type="checkbox"/>	<input type="checkbox"/>	Youtcheff	John	Federal Highway Administration	jack.youtcheff@dot.gov	202 493 3090
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Zwanka	Merrill	SCDOT	zwankame@scdot.org	803-737-6694
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CANE	Danny	TENNESSEE DOT	danny.lane@tn.gov	615-350-4175
<input checked="" type="checkbox"/>	<input type="checkbox"/>	ALATTAR	IYAD	FHWA	iyad.alattar@dot.gov	775-687-1206

TS 4D
Ballot Items

Num.	Ballot Item	SOM	Concurrent
1	Concurrent ballot item to revise M 280. See page 1 and attachment B of the minutes.		X
2	SOM ballot item to revise M 30. See page 1 and attachment C of the minutes	X	
3	SOM ballot item to revise M 279. See page 2 and attachment D of the minutes .	X	
4	Concurrent ballot item to revise M 268. See page 2 and attachment F of the minutes.		X