

ATCHH Open Meeting

Monday August 18, 2014 at 8 a.m.

1. *Call to Order*

2. *Roll Call & Introductions*

- *Except as noted by an asterisk (*) below, all members of the ATCHH were present (✓) or joined via telecom (t):*

NAME	ROLE		STATE	REGION	YEAR
Karuna Pujara	Chair	✓	Maryland	1	2005
Amy Ronnfeldt	Vice-Chair	*	Texas	4	2006
Joe Krolak	Secretary	✓	FHWA	ex-officio	2009
Doug Morse	resigned		New York	1	2008
Steve Sisson		✓	Delaware	1	2007
Mike Hogan		✓	Connecticut	1	2012
Rick Renna		✓	Florida	2	2001
Steve Kindy	resigned		Virginia	2	2010
Darrin Holmes	resigned		West Virginia	2	2011
Wesley Peck		✓	Tennessee	2	2012
Rachel Westerfield		*	Mississippi	2	2012
Jim Richardson		✓	Kansas	3	1991
Andrea Hendrickson	Past Chair	✓	Minnesota	3	
Matt O'Connor		✓	Illinois	3	2001
Crystal Weaver		*	Indiana	3	2012
Te Ngo		✓	Oklahoma	4	1991
Bill Bailey		✓	Wyoming	4	1994
Glenn DeCou		*	California	4	1994
Lotwick Reese		✓	Idaho	4	1996
Casey Kramer		✓	Washington	4	2012 (O)
Hani Farghaly		✓	Canada	ex-officio	2002
Patricia Bush	AASHTO Liaison				

- *There were approximately 9 guests attending the open session:*
 - *Linda Narigon: Iowa DOT*
 - *Sophie Switzer: University of Iowa*
 - *Joyce Brenner: AASHTO*
 - *Greta Smith: AASHTO*
 - *Dave Henderson: FHWA*
 - *Dan Ghere: FHWA*
 - *Kornel Kerényi: FHWA*

- *Bart Bergendahl: FHWA*
- *Brian Beucler: FHWA*

- *Several guests visited the meeting during registration of conference.*
- *Karuna welcomed and thanked members and guests from attending.*

**** ACTION ITEM: 1 **** Karuna passed around membership contact information for review and correction.

3. *Meetings*

- *Karuna went over the various meetings and events, both here and in future*
 - *Today's meeting*
 - *Morning of Tuesday (refreshments 7:15 – 7:45 with AFB 60) and joint meeting*
 - *NHEC Trainings – How many will be attending and how many will attend TCHH meeting?*
 - *Lotwick and Casey hope to attend SRH-2D, if possible*
 - *ATCHH Wednesday meeting*
 - *From 6 pm to 9 pm*
 - *Discussed continuation of Wednesday meetings*
 - *Every other year*
 - *Short fall meetings in conjunction with NHEC.*
 - *Web Meeting*
 - *Suggested web meeting schedule – October, January, March, May*
 - *One or two topics only!*

**** ACTION ITEM: 2 **** Karuna to send out “poll” to see availability

4. *Financial Report*

- *See file: [SCOH Annual Financial Report -TCHH CY 2013 Meeting.xlsx](#)*
- *Electronic payment of registration fees*

**** ACTION ITEM: 3 **** Will provide receipts for registration

5. *Membership and Recognition of Service*

- *Three vacancies as of last meeting and now forth vacancy added.*



- *TCHH Membership Dates - Regions*

- *Region 1*

- **Connecticut, Maine, Maryland, New Jersey, ~~New York~~, Delaware, Rhode Island, New Hampshire, Vermont, Massachusetts, District of Columbia, Pennsylvania**
- *3 members*
- *Need one (1) or two (2) additional members to replace Doug and Karuna*

- *Region 2*

- **Virginia, Arkansas, Tennessee, Mississippi, North Carolina, Georgia, Kentucky, Alabama, Florida, South Carolina, ~~West Virginia~~, Louisiana, Puerto Rico**
- *3 members*
- *Need one (1) or two (2) additional members to replace Steve and Darrin*

- *Region 3*

- **Missouri, Minnesota, Nebraska, Iowa, Ohio, Illinois, Wisconsin, Michigan, Kansas, Indiana**
- *4 members*
- *Need one (1) or two (2) additional members*

- *Region 4*

- **California, Nevada, New Mexico, Oregon, South Dakota, North Dakota, Utah, Idaho, Texas, Oklahoma, Colorado, Washington, Montana, Arizona, Wyoming, Alaska, Hawaii**
- *6 members*
- *Expecting need in future, no opening at this time*

- *Received nominations for Region 4*

- **David Hedstrom – Montana –**
- *Jerry Chaney – Utah*

- *Kevin Marton – South Dakota*

- *Issue is the number of people allowed in each AASHTO Region. We need to keep balance of all regions.*

- ** ACTION ITEM: 4 ** *ATCHH members to provide possible nominees to Karuna and Joe*

- ** ACTION ITEM: 5 ** *Karuna to send out the nominating process to members*

- 6. *Recognition of Service*
 - *Recognition of service awards have been requested from AASHTO*
 - *Pending Status Completion*

- ** ACTION ITEM: 6 ** *Recognition of service awards have been requested from AASHTO – Pending Status Completion*

- ** ACTION ITEM: 7 ** *Patricia Bush to provide these to the four people having left the committee*

- 7. *Future Meetings, Host – Location and dates*
 - *Fall 2015:*
 - *Casey suggested September 21-24, 2015 in Seattle.*
 - *Rick offered Florida as backup,*
 - *Fall 2016:*
 - *NHEC (?) need to find out status*
 - *Fall 2017:*
 - *Andrea offered Minnesota (but not November)*

- 8. *AASHTO Discussion*
 - *Greta described AASHTO approaches*
 - *ATCHH members described concerns on disconnect in communication*

- 9. *Concerns of the states / Lessons learned*
 - *Minnesota:*
 - *New Commissioner – enhancing finance; asset management*
 - *Good discussion on rainfall and NOAA Atlas 14. *** Idea for research*
 - *Flash flood*
 - *Infiltration*
 - *Wyoming*
 - *Rainfall: studying different rainfall distributions as opposed to SCS type 2*
 - *Funding is still an issue*

- *Kansas*
 - *Updated rainfall for county's, released soon*
 - *USEPA litigation/fines on E&S practices (discharge of sediments, did not protect during construction) results in additional data requests. Need additional guidance for consultants. Feedback for design might be needed. Others offered Kansas resources to help with certification, liquidated damages.*
- *Canada*
 - *Climate change: researchers produced some IDF curves. Canada getting pressure to adopt the values.*
 - *Staffing size makes delivery of several products and services challenging.*
 - *Increasing numbers of in-house*
- *Illinois*
 - *Similar to other States*

**** ACTION ITEM: 8 **** Matt to provide additional material to Karuna and Joe

- *Oklahoma*
 - *2007(40-05) Good synthesis on culvert materials*
 - *Completed roadway drainage manual*
 - *Te retiring at end of this year.*
 - *Thanked ATCHH members for all we have contributed*
 - *Members expressed their appreciations for his efforts*
 - *22 years on ATCHH, 34 years at ODOT*

**** ACTION ITEM: 9 **** Add list of "retired" members, including adding personal e-mails into spreadsheet of members.

- *Tennessee*
 - *Dispersion effort (moving HQ staff to regional office) causing staffing issues*
 - *2-D effort in incorporating LIDAR data has resulted in data management issues.*

- *Idaho*
 - *Recently completed FHWA hydraulic review process. Good week. Received some technical assistance on how to help resolve some issues on scour.*
 - *Two major reorganization in three years.*
 - *Current re-org will result in new boss and office*
 - *Idaho DOT in contact with USGS to update regression equations & stream stats*
 - *Wave oscillation study: nose cone application solutions worked!*
 - *Contracted with U of Idaho: temperature differential probe for scour monitoring*
 - *Inexpensive approach*
 - *Sensors every 5 to 6 inches*
 - *Tennessee conducted similar study*

** ACTION ITEM: 10 ** Wes will try to find and send Lotwick the TennDOT research.

- *Recent issue with resource agencies not allowing place riprap in water*
 - *Suggestions:*
 - *Go to Commissioner*
 - *Describe safety concerns*
 - *Education of those colleagues*

** ACTION ITEM: 11 ** Check with Eric Brown on any NJDOT progress.

- *Washington*
 - *Developing guidance documents on fish passage*
 - *Resource agencies introducing new approaches.*
 - *Federal injunction on fish passage barriers*
 - *Climate change*
 - *I-5 inundation: might construct a new dam*
 - *Governor EO: new approaches – impact group*
- *Connecticut*
 - *Recently switched back to in-house design approach.*
 - *FY2015: 75 new engineers*
 - *H&H: 2 new positions!*
 - *USACE: New England wide stream crossing BMPs permit*
 - *Not clear where science is coming from*
 - *Arbitrarily getting bigger*
 - *Not sure CTDOT comments being considered*
 - *Including smaller as well as larger structures*
 - *Difficulty in getting fisheries projects through permit*
 - *Climate Change*
 - *Interpretations of raw rainfall projections causing confusion*

- *Florida*
 - *Recent good relationships with resource agencies*
 - *Getting involved in water supply issues*
 - *Pipe status update*
 - *Good pipe installation is key to good service life*
 - *Plastic pipe: PVC vs HPDE vs Polyethylene*
 - *Management and Leadership thoughts*

- *Maryland*
 - *Similar to other issues*
 - *Pipes*
 - *Water issues come to H&H group*
 - *After roadway embankments functioning as dams*
 - *State regulators (not FEMA)*
 - *TMDL efforts*
 - *Developed new approaches*

**** ACTION ITEM: 12 **** Karuna to provide materials on approaches to ATCHH members

- *Hiring: Good economy making finding positions making more difficult*
- *Delaware*
 - *Water Quality: made Chesapeake approaches applicable to entire State*
 - *Adding new approaches using performance management and asset management concepts*
 - *Funding issues resulting in trying new approaches*
- *FHWA*
 - *Funding*
 - *Staffing*

10. *Group Photo*



11. *Waters of the US definition*

- *Comments are due in September 2014.*
- *Documents will be posted on Portal for Review. More discussion tomorrow.*
 - *A briefing paper (which was shared prior to a teleconference with SCOE members in April)*
 - *Excerpts re ditches which was prepared several weeks later*
 - *An email from Shannon to SCOE members asking for comments (second round), which includes the letter*

12. *Research Needs/Statements*

- *Discussion*

13. *Work Plan Update*

- *Provided to SCOD in June 2014.*
 - *Maryland SCOD representative.*
 - *Awards.*

**** ACTION ITEM: 13 **** Post the copy of presentation on AASTO Portal.

- *Drainage Manual*
 - *Done – good comments from SCOD*
- *Need for additional members (described earlier)*
- *Challenge and needed support in cross communication*
- *Next steps/initiatives*

14. *Status Reports of Workgroup Teams*

- *Topics for News Letter*
 - *LRFD Update*
 - *Exchange Ideas and follow up*
-
- *Adjourned 4 pm; to continue next morning*

Tuesday August 19, 2014 at 8 a.m.

15. *ADM status*

- *Discussions of status*
- *Suggested updates*
 - *Bridge (contingent on LRFD activities)*
 - *Climate Change*
 - *Within 1 to 2 years, updating several Chapters*
 - *Sea-level rise -> Coastal*
 - *Extreme weather -> Hydrology*
 - *Storm Drains -> HY-12*
 - *Holding off performance and asset management until next fall (2015)*

16. *SCOE/SCOD Update*

- *Greta, Shannon, Jen, Katie from AASHTO described several AASHTO initiatives and activities*
 - *Center for Environmental Excellence*
 - *Described variety of environmental activities*
 - *Climate Change – Extreme Weather*
 - *Subcommittee of Transportation System Management & Operations*
 - *Handout provided (Attachment 2)*

17. *Joint AFB-60/ATCHH meeting*

- *Introductions made of both committee members present.*
- *Research Needs*
 - *Some from yesterday's meeting*
 - *Infiltration Practice (synthesis)*
 - *Media types and conditions (including biologic approaches instead of filters)*
- *Climate Change and Extreme Weather Events*
 - *Link Modeling from Climate Folks to Actionable Information*
 - *Rick Renna's problem statement*
 - *Low Flow statistics*
 - *Hydrology for WQ*
 - *Hydrology for Stream Stability*
 - *Downscaling*
 - *Risk and appropriate standards*
 - *Existing Resiliency in H&H Standards and Designs*
 - *Framework for looking at hydraulic appurtenances*
 - *Hurricane rainfall (could be a pooled fund)*
 - *Arid lands Hydrology*
 - *Low slope Hydrology*
- *Water Quality*
 - *Determination of Nutrient Loadings (synthesis?)*
 - *Bacteria as a TDML*
 - *Dissolved Heavy Metals (767?)*
- *Hydraulics*
 - *Colorado Flood Lesson Learned: Assessing Data*

18. *FHWA Activities*

- *Kornel, Dan and Joe described various research RC, and program office activities*
- *Meeting adjourned at 12 noon to begin NHEC in afternoon*

Wednesday August 20, 2014 at 6 p.m.

19. *Climate Change-Extreme Event discussions*

- *Discussed topics for research*
- *Need Champions for various aspects of CC/EE affecting ATCHH*
 - *Climate Change – Rick*
 - *Infrastructure – Andrea*
 - *Levees & Embankments – Wes*

20. *White Paper*

- *ATCHH needs to assert our leadership position in this area/subject*
- *Need to present/advocate Engineering position& perspective*
 - *Concern of loss of focus on practicable needs versus “science projects”*
- *Discussion on definitions*
 - *Extreme events: meaning different between SCOBS and Climate Folks*
- *Rick made following points*
 - *Interdisciplinary comes first*
 - *That approach sets the framework*
 - *Add regulators to list*
 - *Discussions of various disciplines involved*
 - *Actions to engage collaboration*
 - *Peer exchanges*
 - *Periodic group meetings*
 - *Address current design policies throughout AASHTO, FHWA, State DOTs*
 - *Need to develop actions to close gaps*
 - *Need visuals and strategy to help convey vision*
 - *Summary of Direction*
 - *Overarching statement*

** ACTION ITEM: 14 ** Wes will investigate putting together materials on levees & embankments

** ACTION ITEM: 15 ** ATCHH to review White Paper

- *Final adjournment at 4 pm*

Submitted 10 October 2014

J.S. Krolak