

## TIG Notes Natchez Mississippi 5/19/2010

Introductions

Agenda review

Membership Vacancies-

Mike Shama was appointed as vice chair of TIG-

Pending the decision about the future of TIG in the SCOH

Structure nominees report – Mal Kerley was not present to give report, so report was tabled.

Paul Kuegler Report on future direction of TIG

Rapidly advancing technologies have existed and will continue to exist

Technologies can be accelerated by using experience to tell others

Need to improve connectivity of TIG to AASHTO

Need to provide yearly product to AASHTO

Reconstitute TIQ to include and use RAC people and principles

Shorten technology nomination process to streamline process

Nominations will be published as product to AASHTO- get info out

Do a better job of following up on nominations and letting states know status.

Give maximum budgets as target – help manage budget

Dave Huft

AASHTO TIG survey

Good response rate

50/50 Split on awareness of TIG

Plethora of don't know "if you (your state) participate (participated or participates) in TIG solicitation"

Why not ?– I don't know, and unable to commit to time if selected?

Who should receive – Chief engineer and RAC member

TIG outreach – more awareness, but "don't know" still largest response

Ironic – we see ourselves as marketing, but not getting it done!

Value – more people believe value is there, but “don’t know” is still majority

Comments – audience is always changing because DOTs people move around

Kevin – performance measures – think about what we are going to measure

Kevin – Wisconsin example – piloting towplow, but is LST effort that Wisconsin not taking advantage of

Neal – technologies are longshots, and one big winner makes it worth it. Example MDSS and Indiana using – saving \$12M in salt usage

Byron – survey is based on awareness – and communication is problem

Mark – maybe we are not using the right media?

Byron – we spend a lot in discussing and discovering new ideas but only a little in implementation – TIG was response to SHRP1 – TIG winners – PBES, RSA, and Cable barrier

Art – awareness – we need to market more – so we get more implementation, so we appear more often in people’s thoughts – harness the power of AASHTO’s voice.

Valerie- you have just begun to talk about marketing within AASHTO – good – you need to set up to do more of it. Volunteer time is precious, and there is perception that time is too much.

Paul – are we the right size?

Byron – are we looking in the right places for new technologies? We are closed to commercial side – should we add commercial participation that back in?

Lead states honor for new technologies is eroding because of financial times –

Del – does TIG survive? TIG needs to market and sell itself to survive. Need to market to all AASHTO committees. There is value to what committee does – but ancillary question is central – need to market!

David – RAC is engaged in efforts to find high value research – not all are implementable – may be potential to leverage process and use RAC ideas as TIG ideas. Use as supplement, but not sole source. Attribution is a problem – TIG does not get credit for everything it does.

Art – our job to get new technologies to implementation. If we broaden to start accepting commercial applications we still should require the state adoption before we market.

Chris Jenks – RAC process may be good source for TIG too.

Byron – the fundamental premise behind AASHTO is to spread good ideas nationwide.

Kobetsky – TIG needs to pick up on – the Lee Smithson marketing example of focused implementation – he is champion – and he goes to these groups and markets – he is reason snow and ice works- TIG needs champions and implementors.

Jan – technology implementation needs to be a more AASHTO driven emphasis – funding model is problematic- and volunteer model is problem – if it is important AASHTO needs to sponsor. We need more dedication from AASHTO, more backing, and to get that we need more marketing

Kevin – money issue is issue – we don't stack up.

Del – people follow the money. 20-7 is important because it is so big – TIG is small

Byron- 20-7 gathers information – TIG does implementation

Kevin- Tie TIG to RAC. Tie TIG to SHRP2,

Mark – marketing strategy – for discussions at SCOH, make SCOH aware of what are they going to lose? Market TIG as answer

Mike – if this group goes away – the world goes on – is the world is better? – no. AASHTO needs to decide if it is important – and fund and provide resources to.

Paul – our critical failure is getting the word out about what the TIG has done.

Kevin – to wrap up – we need to adopt plan for what we are going to do – we need to add marketing piece to plan. We need to adopt plan then figure out how to apply resources. Find ways to market and showcase to subcommittees.

Discussion around nomination process needs to continue – needs to be evolution in form not a revolution.

Mark- Nominations need to be submitted by a champion from DOT, and could be written by or sponsored by commercial concerns

Kevin – add commercial concerns as sources of nominations

Kevin – in summary Strategies - drop 2 and 3, Add marketing strategy, and commercial applications tied to states implementations

Jim Goddard – focus on saving time, lives, and money.

Kevin - rewritten for fall meeting. Paul in charge – Valerie to write marketing plan, Art to write private sector language?

Moving on to update on focus technologies –

MDSS – HUFT- adopted in 6? States, have tangible benefits with equal LOS, showcases scheduled , brochures and videos. Indiana saved \$12M in salt alone – pay me now numbers! For marketing. Ready for closeout

Lapsing back to earlier discussions – money has come to TIG because of its mission – needs to be recognized in write-ups and marketing

PCPS- New York – top 5 emerging technologies, need to find out when California conference is

SPMTs- ready to close out

AMG- ready to close out? Having trouble getting w/ chairperson – training seems to be last activity

Surface resistivity- still very active – AASHTO test procedure in development

Lead state process should include presentations to appropriate AASHTO committees?

Linear referencing system- Ongoing , presentations and showcases – guessing a year away from closeout. Caltrans has a “value analysis” ROI for linear referencing - would like TIG support for this \$65k study – would be good ammunition. A consultant driven cost benefit study. Or can we build the methodology into our process? Kevin to take forward a pilot project to 20-7

TIG marketing idea – webinars on each technology - Byron

Utility relocation EDS- in Process- less than 3 months

Grade Crossing EDS- in Process- less than 3 months

Environmental Planning GIS tools- in Process- less than 3 months

Tow plow – finding of public interest needed to allow larger implementation?

Kugler reported on Summary of second level evaluation TTI did on last year’s nominations. See attached report.

Byron spoke of proprietary products or technology and what guidance needs for process exist, and what FHWA will do to modify. Concern about inconsistency, transparency, national public interest finding - goal for next meeting to be able to provide

## EVERY DAY COUNTS

Byron – Victor Mendez – was questioned about why takes 14 years to get projects delivered?

Victor thinks it takes too long - came up with concept – Every Day Counts – we are missing out every day that we don't deliver projects

Three parts to this initiative

- Pre ROD, and after ROD delivery of projects

- Speeding innovative technologies as mainline practices. – 13 innovative technologies evaluated

- Internal FHWA to going greener – be more environmentally responsible in FHWA operations.

Jerry DiMaggio –SHRP2 presentation

Kevin wanted to go thru the new SCOH strategic plan and map the involvement of TIG

## **3.0 CUT FATALITIES IN HALF BY 2030**

### **SCOH Strategic Objective on Cutting Fatalities by Half by 2030:**

Promote highway-related strategies to assist in cutting fatalities by half by 2030 with a vision towards zero fatalities.

#### **ACTION 3:**

SCOH will provide input to SCOR and TIG in prioritizing research and use of technologies including ITS and IntelliDrive in addressing collision and fatality reduction.

## **4.0 CONGESTION FREE AMERICA**

### **SCOH Strategic Objective on Congestion:**

Strive to create a congestion-free America by integrating advanced technologies and enhanced operations to efficiently manage the multimodal transportation system, while strategically adding capacity with a focus on improving the performance of the overall system.

#### **ACTION 3:**

SCOH will provide support, promote the SHRP 2 program and be actively involved in the implementation of SHRP2 projects that address congestion, reliability and mobility issues by having

SCOH members involved with the four SHRP2 implementation task teams that have been created. These SCOH members will communicate SCOH's perspective to the implementation task teams and report back to SCOH members on progress of SHRP2 projects being implemented

## **8.0 RESEARCH AND EMERGING TECHNOLOGY**

### **SCOH Strategic Objective on Research and Emerging Technology:**

Identify, develop and communicate standards, specifications, technical policies and other guidelines and facilitate the use of emerging research, technologies, materials, processes and programs in order to have a world class transportation system that can meet the challenges of tomorrow.

#### **ACTION 3:**

SCOH will expedite adoption of promising innovations that have been pilot tested and appropriately documented so that states can adopt them as standard operating processes/procedures. SCOH will act to focus TIG in certain areas of emphasis that they deem important. SCOH will also evaluate the mechanisms that are available to get projects that have been pilot tested to become part of standard practice including the role of TIG as one such mechanism.

Kevin will have opportunity to write resolution for adoption

Need to rewrite our TIG work plan, with these ideas to map to.

The group gave several recommendations to Kevin for use in his report to SCOH, and in preparing him for arguing the effectiveness and need for the TIG to continue

Adjourned by 4 pm

Present: See attached PDF signup sheet.

AASHTO T16. - SPRING MEETING

MAY 19, 2010  
Mount

<u>Name</u>	<u>Organization</u>	<u>Email</u>	
Mark VanPort Fleet	Michigan DOT	vanportfleet@michigan.gov	Ye
DELBERT MCAMIE	Wyo DOT	dmcom1@dot.state.wy.us	Y
ERIK MANINGA	Mo DOT	Erik.Manning@MoDOT.Mo.gov	
Jason Cowin	DDO - High for Nat. Def.	Jason.cowin@us.army.mil	
Margie Sheriff	FTWA	Margie.Sheriff@dot.gov	
JERRY DiMAGGIO	TRB	JDIMAGGIO@NAS.EDU	
Jim Goodspeed	NDS	Jim.Goodspeed@NDS-PIPS.com	
Chris Jenks	TRB	cjenks@ncr.edu	NO
NEIL HAWKS	TRB	NHAWKS@NAS.EDU	NO
ART DINITZ	TRANSPOND.	ADINITZ@TRANSPU.COM	Ye
KEITH PATE	AASHTO	kpate@AASHTO.ORG	
Paul Krugler	TTI	p-krugler@ttimail.tamu.edu	N
Bryan Wood	TTI	b-wood@ttimail.tamu.edu	N
JAN M. EDWARDS	AASHTO	jedwards@ashto.org	Ye
Jim McMinimae	ARA	Jmcmimimae@ARA.COM	N
Len Sanderson	PB	sandersonl@pbworld.com	
Ken Kobetsky	AASHTO	KenK@AASHTO.ORG	
Tom Clemens	Bentley Systems	tom.clemens@bentley.com	
Keith Bargaheiser	HEADWATERS Resources	kbargaheiser@headwaters.com	
NORM LINDGREN	IRD INC.	norm-1@comcast.net	N
RANDY HANSON	IRD INC.	randy.hanson@irdinc.com	N
Robert L. Anthony Jr.	WisDOT	rlb@anthonyjr@dot.wi.state	
Charlie Trujillo	AECOM	charlie.trujillo@aecom.com	
Rory L. RAINESMITH	Wis DOT	Rory.RAINESMITH@dot.wi.gov	
Kevin Chesnik	Wis DOT	Kevin.Chesnik@dot.wi.gov	Ye
Valerie Burnett Edgar	MD DOT	vburnette@edgar@state.md.us	Ye
MICHAEL SHAMMA	NYS DOT	mshamma@dot.state.ny.us	Ye
David Huff	SDDOT	dave.huff@state.sd.us	Ye