

Technology Implementation Group

October 13, 2011: Meeting Notes

Minutes from the AASHTO TIG meeting on October 13, 2011

Ken Sweeney – Chair --- Kicked off the meeting with a short introduction.

Ken reinforced the idea that SCOH decided to expand the role of TIG to address SHRP2 technologies, but not take away from TIG's traditional role.

Note: TIG has a booth at this meeting. Brochures are at the booth to showcase TIG technologies.

Technology Update – 6 technologies will sunset within the next year. 3 technology were approved for funding

Paul Krugler – Review and Update of TIG technologies (see handouts from Paul). A status update on the ongoing TIG technology activities was provided as noted on Paul's handout. There was some discussion as noted below on the three technologies seeking TIG approval.

Jan Edwards... suggested that before any new TIG technologies are approved, it would be a good idea to check with SHRP2 products to avoid duplication or build a tie between the technologies if any exists.

There was a brief discussion on three new technologies for TIG approval. It was noted that funding is available to fund all three as requested. The 3 technologies are: Sequential Barricade Warning Light System, New Pavement Evaluation Tools (PaveSuite), and New Bridge Material Design Options.

It was noted that the Barricade System Technology Marketing Plan has subcontractors, but others do not. Why? Monique Worth is working with all three technologies teams to assist in developing marketing analysis (Worth and Associates is under contract with AASHTO and supports TIG teams).

Time and budget was discussed and those are shown on the Krugler handout. Traditionally, TIG is under budget on a majority of their technologies. Paul is comfortable with the budget and times.

It was noted that for the New Bridge Material Design technology, the team may look to other or additional target audiences, such as the Subcommittee on Design or a technical committee or subcommittee.

There was brief discussion on developing short videos (three minutes or less) using current staff. These video are very effective in promoting technologies.

All three technologies were approved.

Website role out Presentation: There are 3 primary audiences for the Web.

The Target audiences are:

- 1) TIG: Provide information to this group. The site can be used to keep the Executive Committee briefed. The site contains the TIG procedures guidebook, and will have information on meeting information – agendas, meeting minutes, next meeting schedules, etc.
- 2) Lead State Teams: Guidebook (how to procedures and AASHTO staff assistance)
- 3) Technology Information Seekers: What technologies are available (it can be used as information for other subcommittees, etc.)

Home page gives a brief introduction and shows the lead state teams. The TIG technologies and the additional selected technologies are highlighted by showing a two-page document to promote the technology, but not the full lead state team effort.

There was lots of discussion on the Website and highlights are noted as follows:

- Website is maintained by TTI. It will be updated to show the date or year the technology was selected by TIG to show the date or age of the technology.
- Website includes a page that ties the technologies to each subcommittee. Site also will tie to either a technology description from the nomination application or the brochure that was developed as part of the marketing plan. Also PowerPoint presentations, training materials, test methods, guidebooks, etc... will be accessible from the Website. Videos could also be placed on this site (State DOT videos not vendor videos). The TIG members requested a **subcommittee link be added to the TIG site to direct folks from the TIG site to the particular subcommittee site.**
- Website also includes a page for nominating technologies. Industry can submit paper work for a State to submit application to TIG. In fact, it was reinforced that all nominations need to come thru a State DOT and a State DOT should be willing to be the lead-state team.
- For TIG technologies that have completed their marketing plan effort, the information is still on the site, but a note informs people that the team's effort is complete.

MARKETING and COMMUNICATION PLAN:

Lots of research has been conducted and all information will be included in MarCom Plan to assist in the TIG marketing efforts. Group will be looking to Brand TIG and a template will be available for the lead states to use. Executive committee will have draft of plan in 2 months and will be able to provide comments. TIG Brand is for State DOT to use as a seal of approval. AASHTO is looking corporately with regard to their many logos and branding issues. AASHTO is trying to unify its branding so TIG needs to work with Lloyd on this issue.

TIG booth or exhibit panels are complete and it is currently at the AASHTO meeting to help promote TIG.

At next meeting... a presentation will be made to cover the communication plan and a few products may be developed and shared at the next meeting or potential recommendations may be made to address the low hanging issues.

TIG needs to coordinate its brand with AASHTO staff to address the seal of approval issues. Once liaisons are established for each SHRP2 pilot project, the marketing group or AASHTO consultants need to work together on logos and branding.

SHRP2 Briefing

Jim McMinimee provided a SHRP2 presentation to the TIG.

A brief SHRP2 research update was provide. At the end of the research effort, a webinar will be held to showcase the research results. A few research projects have pilot studies that tested the innovation in the field. A brochure with the SHPR2 activities undertaken by the States was handed out to all members.

As SHRP2 moves to implementation, products will be transmitted from TRB to AASHTO and FHWA for implementation. It is expected that a Demonstration Program, with consultant support, will be widely used to implement SHRP2 products. Implementation plans will be developed for viable SHRP2 products.

TIG and it new SHRP2 pilot process will be used to support deployment of SHRP2 products. It is expected that 30+ SHRP2 products may be viable to use the TIG process, which was modified for SHPR2. It was noted that the number of actual SHRP2 products that use TIG will be limited by the capacity of the lead states.

Discuss SHRP2 TIG Pilot process: Three technologies are ready for lead state process.

R16 – RR DOT Institutional Strategies/Best Practices

- Utility subcommittee

R04 – Accelerated Bridge Construction Took Kit

- R04 is a good process and it was recommended that TIG move forward on this technology. Bridge subcommittee has endorsed this. R04 brings all the technologies and processes together as a ready reference tool kit. R04 also fills in some gaps that needed to be done. Mel thinks this is more than ready. R04 gets into the cost issues, but accuracy of cost numbers maybe a concern. Mel is TIG point person

R26 –Preservation Approaches for High Traffic Volume Roadways:

Preservation approaches or guidelines for high volume roads and the approaches cover both asphalt and concrete pavements, not bridges.

-Subcommittee on Maintenance

Note: Three products are approved with some conditions

TIG members will work with SHRP2 steering group and subcommittees to identify lead state and chair. The TIG members who will volunteer in this effort will need to be identified. Also, the subcommittee or the individual for each product will need to be identified. It was recommend that the TIG application form be brought before the TIG and approved with a Marketing Plan before going forward. SHPR2 funds are available for these three technologies under the TIG pilot.

In the future, TIG will pick SHRP2 products to implement as these three were recommend by the SHRP2 Steering Group.

Need to evaluate the SHRP2 TIG process to make necessary changes are made to ensure future SHPR2 products will advance more smoothly. Mike Shamma and Mark VanPelt agreed to can work with Jim on that pilot process.

2012 Solicitation Discussion

Paul Krugler provided an update on the 2012 solicitations. After this discussion and input, **Paul will conduct a second analysis of the proposed technologies.** Brief notes are below.

Smart Cushion Attenuator – Caltrans

This solicitation should consider a category of attenuators not just one crash cushion. It would be helpful to have subcommittee (traffic) recommendation on this technology.

Curvature Extension of ArcMap – FLDOT

Not high value as a focus technology, but may be an additional selected technology with a little marketing push. Is this technology part of FHWA guidebook on providing required information for HPMS? If not, it should be.

Embedded Data Collector – FLDOT

A wireless technology only used on concrete piles and not other materials. Patented by University of Florida and marketed by private company (Smart Structures, Inc.). Gauges embedded in piles and software used/determine capacity. Paul will gather more information.

New High Performance Grade 50 & 70 Weathering Steel – ILDOT

There were questions about this product related to the uniqueness and potential benefits of the product. There was not specific knowledge from the Bridge Subcommittee. Paul to follow up with the material subcommittee

Deformed Stainless Steel Bar for Concrete Reinforcement – Utah DOT

The discussion was around what value TIG would provide by accepting this technology. AASHTO has not fully adopted a standard for using Stainless Steel Bars. Paul will follow up with both Paul Virmani of FHWA, who has done some work on this issue, and Mike Sprinkle of VDOT.

Heatwax In-Place Recycling – Utah DOT

The discussion centered on the benefits of this technology and how is it different from other current technologies? Should a category of technologies be looked at? Paul will follow up with the Pavement Preservation Center to see if they have looked at this technology.

UPlan – Utah DOT

The technology looks similar to other technologies. Paul will analyze technologies and report back to Committee.

TIG Role in Scans

There was a brief discussion on this topic. It was noted that there is a need to ensure that TIG is coordinating with scan implementation teams and vice versa. How can TIG ensure this happens? FHWA to work with TIG on international scan issues. The Domestic Scan meeting in December will look at the coordination issue. **Can TIG share its marketing process with the Domestic Scan folks to help them implement the results of the scan?**

Look to have a presentation from a scan team or have the scan team submit a technology to TIG for approval. **This will be discussed at the December Domestic Scan meeting.**

Other Future Topics:

TIG Budget - If needed, this topic can be taken up via teleconference in the January time frame.

Future agenda item... Look at states that contribute and who are the lead states. Should non-contributor be a lead state?
