

Rapport d'activités des CN 2016	2016 Activity Report of NCs	Informe de actividades
2016		

**RÉSUMÉ****SUMMARY****RESUMEN****1. Information générale****1. General information****1. Información General****Pays****Country****País**

United States of America

**Nom du CN****Name of NC****Nombre del CN**

American Association of State Highway and Transportation Officials

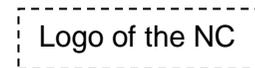
**Président du CN****Chairman of NC****Presidente del CN**Frederick (Bud) Wright, Executive Director, AASHTO ([bwright@aaashto.org](mailto:bwright@aaashto.org))**Secrétaire Générale du CN****Secretary of NC****Secretario del CN**King W. Gee, Director of Engineering and Technical Services ([kgee@aaashto.org](mailto:kgee@aaashto.org))**Nombre the membres collectifs / individuels****Number of individual / collective members****Número de miembros colectivos / individuales**

52 member departments that include the District of Columbia and Washington, DC. Ex Officio members include the Federal Highway Administration



Logo of the NC

2. Conférences, séminaires, réunions des CT en 2016	2. Events, organized by national, committee in 2016	2. Conferencias, reuniones de CT en 2016
<b>Nationale / internationale</b>	<b>National / international</b>	<b>Nacional / internacional</b>
11 January 2016 the National Committee U.S.A. representatives met with the 2011-2015 cycle members and the new 2016-2019 newly appointed cycle members.		
<b>Travail conjoint avec d'autres organisations nationales</b>	<b>Joint organisation with other national institutions</b>	<b>Organización conjunta con otras instituciones nacionales</b>
Transportation Research Board (TRB) International Road Federation (IRF)		
<b>Travail conjoint avec d'autres CN</b>	<b>Joint organisation with other NC CN</b>	<b>Organización conjunta con otros</b>
<b>Réunions des CT</b>	<b>TC meetings</b>	<b>Reuniones de CT</b>



**3. Publications en 2016**

**3. Publications in 2016**

**3. Publicaciones en 2016**

**Publications nationales**

**National publications**

**Publicaciones nacionales**

**Articles dans Routes/Roads**

**Articles in Routes / Roads**

**Artículos en Routes/Roads**

TC E.3 member, Herby Lissade, is charged to author the following: Emergency Management and Resiliency, Emergency Management and Winter Operations, FloodCast - Preparing and Responding to Flood Events on Transportation Networks, and FireCast - Preparation and Response to Wild Land Fires that Impact Roadway Networks (co-author with Rene Garcia) for the PIARC magazine.

**Bulletin national ou revue des CN**

**National newsletter or magazine of NCs**

**Revista o carta eletronica nacional del CN**

Information provided by the NC-USA is provided on its web page Website: <http://piarc.transportation.org/Pages/default.aspx>

**4. Soutien aux premiers délégués**

**4. Support to First Delegates  
Delegados**

**4. Apoyo a los Primeros**

**Nomination des membres des CT**

**Nomination of TC members**

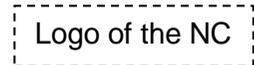
**Nombramiento de los miembros de los CT**

The NC of the USA has 34 members which includes 23 full members, and 11 corresponding members on 16 technical committees and 2 task forces with 4 English speaking secretaries, including FHWA

**Enquêtes et sondages**

**Surveys and questionnaires**

**Encuestas o cuestionarios**



**5. Congrès de l'AIPCR****5. PIARC Congresses****5. Congresos PIARC**

Congrès mondial de la route, Séoul 2015 (participation, préparation)

2015 World Road Congress, Seoul (participation, preparation) preparación)

Congreso Mundial de la Carretera, Seúl 2015 (participación,

**25<sup>th</sup> World Road Congress in Seoul** (King Gee, AASHTO)

- High level delegation of 7 members who made formal presentations at five special sessions and four strategic theme/technical sessions.
- Presented the USA National report on SHRP2 Reliability research and illustrative tools arising from the initiatives
- Participated in various technical & special sessions to gain insight into practices around the world
- Supported the USA Pavilion highlighting American practices and products supporting road & bridge engineering, operations and management
- Held bilateral discussions with other countries on possible collaborative efforts; e.g., South Korea, France

**6. Autres activités en 2016****6. Other activities in 2016****6. Otras actividades 2016**

Relations internationales

International relations

Relaciones internacionales

AASHTO collaborates and engages with the Austroads and the Transportation Association of Canada in exchanging ideas and providing resources..

Promotion de l'AIPCR

Promotion of PIARC

Promoción de PIARC

Promotion is through the NC website <http://piarc.transportation.org/Pages/default.aspx> and also providing promotional materials at the AASHTO spring and annual meetings.

Site Internet des CN

NCs' website

Página web del CN

<http://piarc.transportation.org/Pages/default.aspx>

Autres choses

Other business

Otros asuntos



Logo of the NC

## RAPPORT DÉTAILLÉ SUR DES POINTS CULMINANTS

### DETAILED REPORT ON HIGHLIGHTS

### INFORME DETALLADO SOBRE ASPECTOS DESTACADOS

The United States of America members to the National Committee continue to be very proactive and make every effort to attend meetings in other countries. There is a high level of expertise and interest in all areas. A few highlights include:

#### Technical Committee Highlights for 2016

##### TC A.3 Risk Management (Jean Wallace, Minnesota DOT)

- Attended the initial meeting of the 2016-2019 cycle in Paris. Very few of the members of A.3 were able to attend, and our committee chair (who wasn't in attendance either) was not named until the last day of the meeting.
- Our committee has broken out into two working groups: TC A.3.1 Evaluation of Organizational Approaches to Risk; and TC A.3.2 Strategic Management of Project Related Risks. I'm a co-leader of working group TC A.3.1.
- Both working groups have developed provisional work plans for the four-year cycle (I've attached the current provisional work plan). The terms of reference for TC A.3.1 are as follows:
- Identify, investigate and document evaluation of non-conventional and innovative methods and tools used in successful non-project risk management practices (Risk management supports alignment between strategy and organization, helps allocate risks to the organizations best able to manage them, and facilitates sound decision-making and accountability at all levels of the organizations). The output will be a report based on benchmarking and case studies, where appropriate.
- We are collaborating with TC A.1 "Performance of Transport Administrations" because our two TCs have specific knowledge of the connections between organization performance and risk management. Specifically, there are strong connections between TC A.3.1 and at least two of the working groups in TC A.1. This collaboration may result in a joint meeting and/or seminars/workshops in 2017. At this point, possible locations for a joint meeting/seminar/workshop include Rome or South Africa, or possibly in Central or South America.
- TC A.3.1 is also currently finalizing our workspace on the PIARC website to organize our meetings and post minutes and deliverable documents. We're also conducting a literature review on organizational risk management; however, we have been helped along greatly by the literature review developed by the NCHRP 08-93 project. It's very thorough and provides a great basis for our work. We are working to organize a TC A.3.1 conference call in mid-September.
- We are planning for our next TC A.3 committee meeting, which is scheduled to take place November 22-24 in Ljubljana, Slovenia.
- TC A.3 has been challenged in finding committee members who are willing to commit to participation in the working group activities.

**TC B.1 Road Network Operations and ITS** (Galen McGill, Oregon DOT)

Galen McGill will specifically be helping with developing and reviewing content for Task B.1.1 – Update and improve the web version of the RNO/ITS manual; work will also include other tasks to review or support the groups working on other tasks. TC B.1 committee work plan needs to be finalized by mid-June. The next committee in-person meeting is scheduled to be in Rosario, Argentina from October 24th through 28th in conjunction with the Argentine Congress on Roads and Traffic.

**TC B.2.1 Winter Service, Transportation Management during Winter Events** (Steve Lund, Minnesota DOT and Gabe Guevara, FHWA)

- Gabe Guevara did not attend the kick-off meeting in France earlier this year.
- Committee Chair, Mr. Steve Lund attended the kick-off meeting in France during the spring of 2016 and participated in all of the relevant discussions. The structure, charge, and membership of the committee were established; the focus of the committee was defined and agreed upon, and it ended up being centered around crisis management resulting from unusually impactful/severe winter events.
- Upon his return from France to the USA, Mr. Lund held meetings with Messrs. Rick Nelson (outgoing PIARC English Secretary and former member of the Winter Maintenance Services Committee) and Gabriel Guevara (co-chair of TC 2.4.3 of the previous cycle) and upon reviewing the focus/theme agreed upon in France, realized that there was too much overlap with previous work done by a separate committee during the previous cycle.
- Mr. Lund and Mr. Guevara continued to meet following the Paris meeting and, upon consulting with Mr. Didier Giloppe and getting his concurrence, drafted a position paper for TC B.2.1 stating a slightly revised focus for the committee. The position paper was vetted (via e-mail) by members at large of the committee and adopted. The position paper is attached for your reference.
- Mr. Lund and Mr. Guevara cooperated in preparing the cycle's work-plan for committee B.2.1, vetted it with the rest of the committee, and turned it in to Mr. Giloppe within the prescribed 16 June deadline.
- The committee is presently working on a skeleton of the report, and of the use-cases in particular, and members of the committee are searching for meaningful use-cases from their respective countries to contribute to the report.
- Next: continue to gather use-cases; formalize the structure of the final report; and prepare for the fall meeting in Poland. Mr. Lund and Mr. Guevara will continue to meet on a bi-weekly basis.

**TC B.4 Freight** (Tiffany Julien, FHWA)

- Tiffany Julien led a discussion at a kick-off meeting in Paris, France in February 2016, of the U.S. FAST Act provisions focused on ensuring the safe, efficient, and reliable movement of freight. Ms. Julien specifically highlighted the establishment of a National Multi-Modal Freight Policy and the creation of a new discretionary freight- focused grant program that will invest \$4.5 billion over 5 years. In addition to providing the committee with information on the U.S. National Highway Freight program; she also contributed to the development of the work program for the 2016-2019 committee cycle and volunteered to co-lead the work group on national policies for multi-modal freight transport and logistics.
- The technical committee also discussed new approaches to sharing materials with a broader audience. Committee members agreed to investigate and provide information to group on various new approaches to sharing deliverables produced by the B.4 technical committee to enhance visibility of the committee and its work products.

**Anticipated follow-up actions:** There were various commitments made at this meeting including follow-up actions on the draft work program and facilitating the distribution of the work tasks within the work plan. The B.4 freight technical committee has scheduled their second meeting for November 7-10, 2016 to be held in Foz do Iguacu, Brazil.

**TC C.1 National Road Safety Policies and Programs** (Erin Kenley, FHWA)

[Number one priority is to tell the world about the Road Safety Manual http://roadsafety.piarc.org/en](http://roadsafety.piarc.org/en)

All members agreed to actively promote the Road Safety Manual immediately and contribute to a coordinated communications strategy to disseminate the new resource with the PIARC General Secretariat. The key decisions on priorities and operating principles for the work were agreed including the establishment of two Working Groups with associated Working Group Leaders. The scope for each working group was discussed and detailed work plans will be refined and finalised by Working Group members by June 2016. The Committee also agree on the following priorities:

- Be aware, review and build on the work from the last cycle
- The TC must effectively communicate with First Delegate and National Committees to promote RSM and ensure national response to any questionnaires and requests for case studies
- Translations to French and Spanish will be made available
- Awareness and consideration of vehicle technologies and self-driving vehicles
- Coordinate with UN agencies, WHO and UN SDG related activities – in particular WHO Global Status Report and SDG Performance Tracking

**TC D.1 Pavements** (Gina Ahlstrom, FHWA)

Paris, France March 6-11, 2016. Theme D is Infrastructure and includes Pavement, Bridges, Tunnels, Earthworks, and Asset Management. The following are a summary of notes.

The specific themes for TC D.2 Pavements are:

- Green paving and sustainable materials
- Non-destructive testing and monitoring
- Low cost paving solutions

Key Issues of D.2.1: Green Paving Solutions and Sustainable Pavement Materials.

- I provided an overview of the FHWA document “Towards Sustainable Pavement Systems: A Reference Manual” (FHWA-HIF-15-002). There was a lot of interest in the work we have done through the FHWA Sustainable Pavements Program.
- There needs to be incentives to reuse materials.
- How can mining waste be used (South Africa)?
- A database of best practices would be useful
- The last work cycle focused on the theme of reducing carbon footprint and innovations. A summary of that work was given:
  - Overall no incentives of significance noted; The Netherlands was an exception where they use credits as an incentive for the bid process
    - No data was available and this was identified as a gap
    - A lot of models are available and a critical review of the data and tools was conducted; Result was the tools varied widely and the tools are not comparable.
    - Non-renewable resources are important and just as important as the criteria.
- The two other themes (low cost paving solutions and non-destructive testing) were discussed and the Issue statements were reviewed and suggestions for revisions were made.

The meeting continued with additional discussion on the Work Themes. This member was nominated as the Lead for Issue D.2.1- Green paving solutions and sustainable pavement materials and she accepted.

- After general discussion, the work team for D.2.1 met to discuss our specific work plan.
  - The focus needs to be broader than CO<sub>2</sub> emission reduction.
  - Some thought that attention needs to be brought to the fact that gaps within funding pots limit the implementation of sustainable strategies.
  - We need to focus on Incentives, Challenges, and the use of “green” solutions.
  - I proposed that team members review the chapters of FHWA-HIF-15-002. We can pick 5-6 subjects to highlight (ex. materials, contracting, innovation, etc.) and highlight challenges, incentives/benefits, and case studies for each. The members were agreeable.
  - I will send a must read list through the PIARC website work space. Members will review the information and provide their suggestions. We need to have a work plan to PIARC in June 2016.

#### **TC D.3 Bridges** (Scott Becker, English Speaking Secretary, Wisconsin DOT)

- Worked as English Secretary to provide program theme areas for Bridge Technical Committee D.3 prior to kick off meeting
- Held Paris Kick off meeting March 9, 2016 (Minutes Below)
- Provided case study information to member countries
- Assisted with items for Winter Congress Bridge specific issues
- Provided assistance for special projects that were proposed for World Road Associations

Future Activities:

- 2<sup>nd</sup> Meeting Cape Town South Africa
- Prepare program for 3<sup>rd</sup> meeting
- Prepare questionnaire and case study documents for damage assessment techniques

#### **TC D.4 Rural Roads and Earthworks** (Jennifer Nicks, FHWA)

Based on the 2016-2019 Strategic Plan, three working groups are being formed within TC D.4 to address issues related to (1) exposure of roads to climate change, (2) local materials, practices and techniques, and (3) management of earthworks. Each member was asked to select a working group; I signed up as a member of D.4.3 (*Management of Earthworks*). The TC is organizing an International Seminar on *Asset Management for Rural and Load Volume Roads*, to be held 24 – 26 May 2017 in Santa Cruz de la Sierra, Bolivia. The announcement and call for papers has been distributed. No other activity to report on for the TC.

#### **TC D.5 Road Tunnels Operations** (Bijan Khaleghi, Washington State DOT)

- Attended the kick-off meetings for the TC D.5 on March 8-10, 2016. Mr. Khaleghi volunteered to be a primary member of Working Group (WG) 5 “Large Underground & Interconnected Infrastructures”, and WG-6 “Knowledge Management.”
- This member provided monographs for three Seattle tunnels (Mt Baker, Mercer Lid, and SR 99) for case studies and analysis for 2016-2019 cycle. TC had a Visio-conference on June 6, 2016 to discuss these tunnels and the committee

selected the Mt Baker and SR 99 Tunnels for case study for this cycle. The Mt Baker tunnel is the world largest soft ground tunnel in operation, and the SR 99 is the world largest single bore tunnel under construction in Seattle.

- TC also decided to have either spring or fall 2018 PIARC TC D.5 meeting in Seattle Washington. This will be the time that the SR 99 Tunnel will be tested for full operation.
- Mr. Khaleghi gave a presentation to the AASHTO SCOBS General Session in Minneapolis of my TC D.5 Working Group activities. A similar presentation was provided to AASHTO SCOBS T-20 "Technical Committee on Underground Structures" in Minneapolis.
- Mr. Khaleghi will be attending the 2<sup>nd</sup> second TC D.5 meetings on October 18-20. This member is scheduled for two presentations on Seattle tunnels and Tunnel Operation.

#### TC E.1 **Adaptation Strategies and Resiliency** (April Marchese, FHWA)

- In May 2016 we had a WebEx conference to discuss and finalize the work program of our two working groups.
- In June 2016 our work programs were completed and submitted to our theme coordinator in June 2016
- This member is working on providing information on adaptation examples for our work program on the PIARC Climate Change Adaptation Framework.
- As English Speaking secretary, this member sent out an invitation to our next Committee meeting in Seoul, S. Korea, which will be held in November 2016.

#### TF A.2 **Coordination between National and Sub-National Road Authorities**, (King Gee, AASHTO)

- Organized and chaired kick-off meeting of the task force in PIARC Headquarters and identified work products and target audiences – June 2016
- Developed task force work program approach and initial assignments – July 2016
- Refining case studies outline and target countries to be included – August/September 2016

#### TF C.1 **Infrastructure Security** (Eileen Phifer, Michigan DOT)

Eileen Phifer attended the June 28-29, 2016 PIARC Task Force C.1 Kick-off meeting in Paris. In the meeting, the members who were attended discussed **collection and evaluation** of existing national recommendations regarding security of road infrastructure and development of a PIARC recommendations document (cyber security included); **resilience evaluation** and approach aimed at improving security evolving from present safety practices; **informative and educational outreach** activities to raise awareness on both physical security infrastructure, and virtual (cyber) security. The work plan was developed by all members present. Since the kick-off meeting, our task force conducted a WebEx meeting with several of the members that were present in Paris. As the nominated secretary, Ms. Phifer provided a first draft of the minutes for discussion for the WebEx meeting. The chair provided a second version of the draft minutes in early August with additional correspondence regarding the serious incident that occurred in Nice and its relationship to PIARC work.