

Rapport d'activités des CN 2015

2015 Activity Report of NCs

RÉSUMÉ

SUMMARY

Article / Question

Item / Question

1. Information générale

1. General information

Pays

Country

United States of America

Nom du CN

Name of NC

American Association of State Highway and Transportation Officials

Président du CN

Chairman of NC

Frederick (Bud) Wright, Executive Director, AASHTO (bwright@ashto.org)

Secrétaire du CN

Secretary of NC

King W. Gee, Director of Engineering and Technical Services (kgee@ashto.org)Nombre the membres collectifs /
individuelsNumber of individual / collective
members

52 states plus four private sector and four university representatives as collective members

Organisation et structure

Organisation and structure

On 28 September 2011 a Memorandum of Understanding was entered into between AASHTO and the World Road Association for AASHTO to be recognized as the PIARC National Committee of the United States of America. AASHTO is a non-profit, nonpartisan association representing 52 highway and transportation departments in the 50 states, the District of Columbia, and Puerto Rico, which represents all transportation modes. AASHTO is an exchange forum gathering the main entities of public and private road sectors in the USA. AASHTO utilizes its Standing Committees as main entity for disseminating information to state departments of transportation and others. We utilize existing arrangements with many associations representing the private sector including ACEC, ARTBA and AGC and NACE for local governments.

2. Conférences, séminaires, réunions des CT en 2015	2. Conferences, Seminars, TC meetings in 2015
Organisation des CN: nationale/internationale	Organisation by NCs: national/international
The National Committee of the United States of America is a joint effort between AASHTO and the Federal Highway Administration in which both organizations have made a commitment.	
Travail conjoint avec d'autres organisations nationales	Joint organisation with other national institutions
Transportation Research Board	
Travail conjoint avec d'autres CN	Joint organisation with other NC
AASHTO has collaborative agreements with Austroads, Transportation Association of Canada, and Korea Expressway Corporation.	
Réunions des CT	TC meetings
TC meetings attended by the USA National Committee: TC 2.4 Winter Service: 9-10 March 2015 in Helsinki, Finland TC 2.2 Improved Mobility in Urban Areas: 27 – 29 April 2015 in Barcelona, Spain TC 3.1: National Road Safety Policy and Programs: 28-30 April 2015 in Glasgow, Scotland TC 2.3 Freight Transport: 11-12 May 2015 in Paris, France TC 4.3 Road Bridges: 29-30 May 2015 in Bucharest, Romania TC 1.1 Performance of Transport Administration: 03-05 June 2015 in Denver, Colorado TF 1 Roadside Safety Manual Workshop: July 2015 in Bangkok, Thailand TC 2.1 Road Network Operations: 6 October 2015 in Bordeaux, France TC 2.3 Freight Transport: 5 November 2015 in Seoul, Korea	

3. Publications en 2015**3. Publications in 2015****Publications nationales, rapports****National publications, reports**

- **GSID-4:** Guide Specifications for Seismic Isolation Design, 4th Edition; available in Print and PDF
- **NSBASCBS-3:** Guide Specification for Application of Coating Systems with Zinc-Rich Primers to Steel Bridges; available in PDF
- **LRFDUS-7-I1:** 2015 Interim Revisions to the AASHTO LRFD Bridge Design Specifications, 7th Edition; Print, available in PDF, and Web-based
- **CA 5, 6, 9, 13, 14, 15, 16, ES:** Commuting in America; available in PDF
- **SS-14:** 2014 AASHTO Salary Survey; available in PDF
- **STRATEGIC PLAN:** AASHTO Strategic Plan Brochure; available in Print and PDF
- **SSFP-9-OL:** Survey of State Funding for Public Transportation, 9th Edition—Final Report 2015, Based on FY 2013 Data; available in PDF
- **HM-35-M:** Standard Specifications for Transportation Materials and Methods of Sampling and Testing, 35th Edition and AASHTO Provisional Standards, 2015 Edition; available in Print and Web-Based Format
- **LRFDLTS-1:** LRFD Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 1st Edition; available in Print and PDF
- **MEPDG-2:** Mechanistic-Empirical Pavement Design Guide, 2nd Edition; available in Print and PDF
- **OPLIFE-1-OL:** Survey of Operation Lifesaver State Programs, 2015 Report; available in PDF
- **LRFDCONS-3-I6:** 2016 Interim Revisions to AASHTO LRFD Bridge Construction Specifications, 3rd Edition; available in Print and PDF
- **HAZ-1** and **MCTE-1:** Fundamental Capabilities of Effective All-Hazards Infrastructure Protection, Resilience, and Emergency Management For State Dots, 1st Edition; available in PDF
- **PDCM-1:** Pavement Design, Construction, and Management: A Digital Handbook, 1st Edition, Single User Web-Based Life-of-Edition Subscription; available in Web-Based Format Only

Articles dans Routes/Roads**Articles in Routes / Roads**

RR 2015 No. 367 – *Estimation of Load Carrying Capacity of Bridges Based on Damage and Deficiency* by Kiyohiro Imai (1), Manager of Maintenance Planning Division, Honshu-Shikoku Bridge Expressway Co., Ltd., Japan; Scot Becker (2), Director of the Bureau of Structures at the Wisconsin Department of Transportation, USA (Both are members of TC 4.3 on Road Bridges)

Bulletin national ou revue des CN**National newsletter or magazine of NCs**

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****Nomination des membres des CT****Nomination of TC members**

No new nominations.

Enquêtes et sondages**Surveys and questionnaires****5. Congrès de l'AIPCR****5. PIARC Congresses****Congrès mondiale de la route, Séoul 2015 (participation, préparation)****2015 World Road Congress, Seoul (participation, preparation)**

The NC-USA will send the following delegation to the 2015 Road Congress in Seoul, Republic of Korea. The NC-USA delegates will have a *USA Pavilion* highlighting AASHTO, FHWA and TRB activities and publications.

Name	Organization
Ian Saunders	FHWA/ Director, Office of International Programs
Mike Griffith	FHWA/ Director, Office of Safety Technologies
April Marchese	FHWA/ Director, Office of Natural Environment
Steve Gaj	FHWA/ Leader, Asset Management Team
Agnes Velez	FHWA/ Program Manager, Office of International Programs
Jeff Paniati	FHWA/Executive Director
Carlos Braceras	AASHTO/Director, Utah DOT
Mike Patterson	AASHTO/Director, Oklahoma DOT
John Schroer	AASHTO/Director, Tennessee DOT
Paul Trombino	AASHTO/ Director, Iowa DOT
Robert Hull,	AASHTO/TC 3.1
Mara Campbell	AASHTO/TC 1.1
Bud Wright	AASHTO
King Gee	AASHTO
Neil Petersen	TRB
Monica Starnes	TRB

6. Autres activités en 2015**6. Other activities in 2015****Assemblée générale, réunions avec les membres des CT, rencontres avec d'autres organisations nationales****General Assembly, meetings with TC members, meetings with other national organisations****Relations internationales****International relations**

International Road Federation (IRF)

Promotion de l'AIPCR**Promotion of 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 for the upcoming 25th World Road Congress in Seoul, Republic of Korea.

Site Internet des CN**NCs' website**

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

Autres choses	Other business
Research Paper: <i>Framework for Citywide Road Freight Transport Management</i> ; September 2015; PIARC Technical Committee TC2.3 (Freight Transport) Working Group 1 (Urban freight management)	
SHRP-2 Travel Time Reliability - United States - National Report Strategic Direction Session ST2 <i>Mobility and Increased Urbanization</i>	
Performance Management: A New Approach to Highway Safety in the United States - United States of America – National Report Strategic Direction Session ST3 <i>The Journey Road Administrations are Making to Make Safer Roads</i>	

RAPPORT DÉTAILLÉ SUR DES POINTS CULMINANTS**DETAILED REPORT ON HIGHLIGHTS**

The United States of America members of all types 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 2015
TC 2.1 Road Network Operations	<ul style="list-style-type: none"> · The World Road Association (PIARC) is launching an important web-based knowledge resource on Intelligent Transport Systems (ITS) and Road Network Operations (RNO). PIARC teamed up with the Intelligent Transportation Society of America (ITS America) to develop the website with a financial contribution of the U.S. Department of Transportation. Intended for transport policy-makers, professionals, educationalists and students around the world, it provides an easily accessible authoritative resource with an international perspective on a range of ITS and RNO topics illustrated by case studies and videos. · The website draws on the expertise of 20 authors and of the PIARC Technical Committee on «Road Network Operations» (TC 21) with ITS America appointed John Miles as Chief Editor. · It will be regularly up-dated and up-graded and different linguistic versions will be soon produced. Its access is free of charge to any-one. ·
TC 2.3 Freight Transport	<ul style="list-style-type: none"> · Technical Committee 2.3, Freight Transport, produced two technical reports during the 2012 – 2015 cycle of the World Road Association. · The first report, <i>Framework for citywide road freight transport management</i>, addresses road freight transport management (RFTM) as a key contributor to the sustainable development of urban areas. · The second report, <i>Moving freight transport forward – Green, Smart and Efficient</i>, investigates the concept of co-modality, and through identified case studies of good practices, addresses the challenges associated with freight transportation efficiency. · The Committee also co-convened two International Seminars in the 2012 – 2015 cycle: <i>Freight Transport</i>, Montevideo, Uruguay, 28 – 30 October 2013 and <i>The Transport of Goods by Road in Africa</i>, Yaounde, Cameroon, 14 – 15 May 2015 · To facilitate the work of the Committee, eight meetings (two meetings per year) were planned, supplemented by teleconferences and Webex meetings as required. · The Committee also contributed to the World Road Association quarterly publication, <i>Routes / Roads</i>, especially the 2nd Quarter 2013 edition, which focused upon freight transport. It contributed to the Committee on Terminology (CTERM), and will convene a session, Freight Transport, at

Technical Committee	Highlights for 2015
TC 2.4 Winter Service	<p>the World Road Congress in Seoul in November 2015.</p> <ul style="list-style-type: none"> · The 7th meeting of TC2.4 was conducted 9-10 March 2015 in Helsinki, Finland. Nelson and Guevara both attended. During this meeting Nelson made presentations on the work underway by mirror committees in the US (SICOP, AURORA, Clear Roads, and the TRB subcommittees on Winter Maintenance and Surface Transportation Weather). · During this meeting working groups convened to discuss the final preparations and work effort necessary to complete their products in time for the World Road Congress. Guevara is co-chairing the working group 2.4.3 Advanced Technologies for Data Collection and Information to Users and Operators; good progress was made towards completing the report, under the leadership of Guevara and Ms. Halvar (other co-chair.) Guevara wrote two chapters of the report; the Introduction; cooperated in the write-up of the conclusion; and proof-read the whole English-version of the report, in cooperation with Nelson and others. · The strategic plan for the next cycle was discussed, as there are flagship projects and lesser projects for continuation planned for the next cycle. In discussing the Winter Road Congress, historically refreshing the Snow and Ice Data Book has been the responsibility of the Congress organizing committee. It has been determined that this activity is too great a responsibility to include with the planning of the Congress. It was determined that a working group of the TC will be formed to create a template for the data refresh and coordinate the update of the Snow and Ice Data Book. Succession planning for Chairs and Secretaries were discussed to help provide TC continuity during the transition period between cycles. Planning for the TC2.4 technical session established the content and schedule for the TC2.4 activities during the World Road Congress. Nelson will moderate the session of technical presentations. · The 2nd seminar / workshop was conducted following meeting 7 on 11 March 2015 in Helsinki, Finland. Since planning for the seminar in Romania became futile, working through the General Secretariat, a workshop on the topic of Mobile Road Surface Condition Measurements in Winter was organized. This workshop was well attended. A total of 10 presentations were made, including a presentation by Nelson addressing the work in the US on this topic. These presentations were subsequently made available to researchers in US working on projects for Aurora and Clear Roads. · <u>Other Activities:</u> Nelson made briefings on PIARC TC2.4 activities during the TRB Winter Maintenance Committee meeting at the TRB Annual Meeting in January 2015, during the Aurora and Clear Roads consortia meetings in March 2015, and during the SICOP and AASHTO Subcommittee on Maintenance meetings in July 2015. · Nelson and Nixon co-authored a paper titled: A Two Phase Method for Determining Relevant Research Needs for the United States Winter Maintenance Community that was based on a SICOP project to determine the top-10 activities for a world-class winter maintenance program. This paper was accepted for

Technical Committee	Highlights for 2015
	<p>presentation during the TC2.4 technical session at the World Road Congress in Seoul, Korea.</p>
TC 4.3 Road Bridges	<ul style="list-style-type: none"> · Scot Becker, Wisconsin USA, co-lead of issue 4.3.4 (Estimation of load carrying capacity of bridges based on damage and deficiency) finalized the report to submit to PIARC. Becker also co-wrote an article for publication in the magazine routes and roads. Becker participated in the 7th meeting workshop in Bucharest Romania May 27-30, facilitated one of the technical breakout sessions, and presented at the workshop. Scot will be co-presenting in Seoul at the World Congress. · Dr. Satoshi KASHIMA <i>Chairman of TC 4.3 Committee</i> proudly announced that not only did TC 4.3 submit to the General Secretariat all three reports in English, French and Spanish, but we were the first Committee to do so. Then Satoshi presented the activity report, the program for the Bridge Session in the World Road Congress in Seoul. · Prof. Dimitrios KONSTANTINIDIS <i>English Speaking Secretary and TC 4.3 Correspondent to the Terminology Committee (CTERM)</i> presented the final draft of the Bridge Dictionary as amended by the three Groups during the current period. TC 4.3 unanimously approved the Bridge Dictionary. · Mr. Hyun-Ho CHOI TC 4.3 corresponding member from <i>South Korea</i> gave a presentation on behalf of the Korean Organizing Committee regarding the World Road Congress in Seoul.
TC3.1 National Road Safety Policy and Programs	<ul style="list-style-type: none"> · The 7th meeting of TC3.1 was conducted 28-30 April 2015 in Glasgow, Scotland. Nine committee members attended. The Safety Theme Coordinator, UK First Delegate, Roy Brannen, Scotland, welcomed the committee. · One workgroup report, <i>Land Use and Planning</i>, led by Robert Ritter, is completed. The other two workgroup reports are underway. Progress is hampered by limited participation on the workgroups and with the report writing from TC members. Additionally, some key members have left the TC in a critical phase of the cycle, including leads for WG 1 and WG 3 and the English speaking secretary. · The introductory report is finalized since January and the Activity report has just been handled in to the Secretariat, however, they still need to be translated into French and Spanish. · For the World Congress in Seoul the reports will not be available as printed versions and may also be retrieved as web reports. The TC discussed information about TC 3.1 participation in the World Congress and the content of the 72 papers we reviewed. The review process has been rigorous and most of the papers have been accepted without many modifications. There are 17 papers nominated for oral presentations and 5 nominated for a prize. During the meeting, these 5 papers were discussed in detail including their relevance for the different themes of the conference. · During the meeting, there was a round table discussion regarding the road safety situation in each country. In Iran the local authorities was found 50% guilty in court for causing an

Technical Committee	Highlights for 2015
	<p>accident (i.e., the responsibility was shared between the system provider and the user in this case). Matts Belin showed an example from Sweden with a video spot from the Hövding bicycle helmet (collar) and from Norway another video spot about the risks of cycling (the "Cat Biker film") and the need for 9 lives in traffic.</p> <ul style="list-style-type: none"> · The meeting included a presentation by Kiandokht K. about the road traffic situation in Iran. The statistics showed a high fatality rate for Iran, with a descending trend for the last decade. Between the years 2001- 2011 the number of fatalities in Iran was 27,000 per year! The countermeasures pointed out by the Iranian road authorities are e.g. various road management systems, supervision and speed cameras etc.
TF 2 Security	<ul style="list-style-type: none"> · The World Road Association (WRA) Task Force on Security developed a workshop to cover a wide range of security issues that was held in London on June 10-12, 2014. Forty participants from 11 countries attended the workshop to present or discuss international good practices and share important concepts being pursued in their respective countries. · The US delegation included two participants from the Department of Homeland Security, William Arrington, Transportation Security Administration (TSA) Branch Manager, and David Cooper, TSA Industry Engagement Manager – Highways. Mr. Arrington presented in the opening session on the TSA approach and activities in highway security. · Also representing the United States were Theodore Zoli of HNTB Corporation and Dr. Eric Williamson of the University of Texas. Each presented twice on technical topics that include threats, vulnerabilities and criticalities, security approach for new infrastructure and experience from road authorities and operators for protecting infrastructure and highway systems. · Steve Ernst represented FHWA, presenting on the topics surrounding what is critical and what is vulnerable, served as moderator for the workshop session on threats, and participated on the panel discussion to conclude the workshop. · <u>Summary of Major Outcomes:</u> Much of the information produced is sensitive, so the Task Force opted to develop a paper that covers the major outcomes, rather than a comprehensive report. This paper is available on the PIARC website. An article was also produced and published in Routes/Roads Magazine."