MAPPING THE COMMON INTERESTS OF AASHTO COMMITTEES

PLAYBOOK FOR STRENGTHENING COLLABORATION ACROSS AASHTO COMMITTEES

Prepared for:

American Association of State Highway and Transportation Officials,
in cooperation with the Federal Highway Administration

Prepared by:

Spy Pond Partners, LLC
Arlington, MA

(February, 2023)

The information contained in this report was prepared as part of NCHRP Project 20-24(131), National Cooperative Highway Research Program.

Acknowledgements

This study was conducted for the NCHRP Project 20-24 *Administration of Highway and Transportation Agencies*, with funding provided through the National Cooperative Highway Research Program (NCHRP) Project 20-24(131), *Mapping the Common Interests of AASHTO Committees*. The NCHRP is supported by annual voluntary contributions from the state Departments of Transportation. Project 20-24 is intended to fund studies to address concerns of chief executive officers (CEOs) and other top managers of the state departments of transportation (DOTs). The report was prepared by Frances D. Harrison and Hyun-A Park, Spy Pond Partners, LLC. The work was guided by a technical working group. The project was managed by Ann Hartell, NCHRP Senior Program Officer.

PLAYBOOK

FOR STRENGTHENING COLLABORATION ACROSS AASHTO COMMITTEES

NCHRP 20-23(131) Mapping the Common Interests of AASHTO Committees

February, 2023

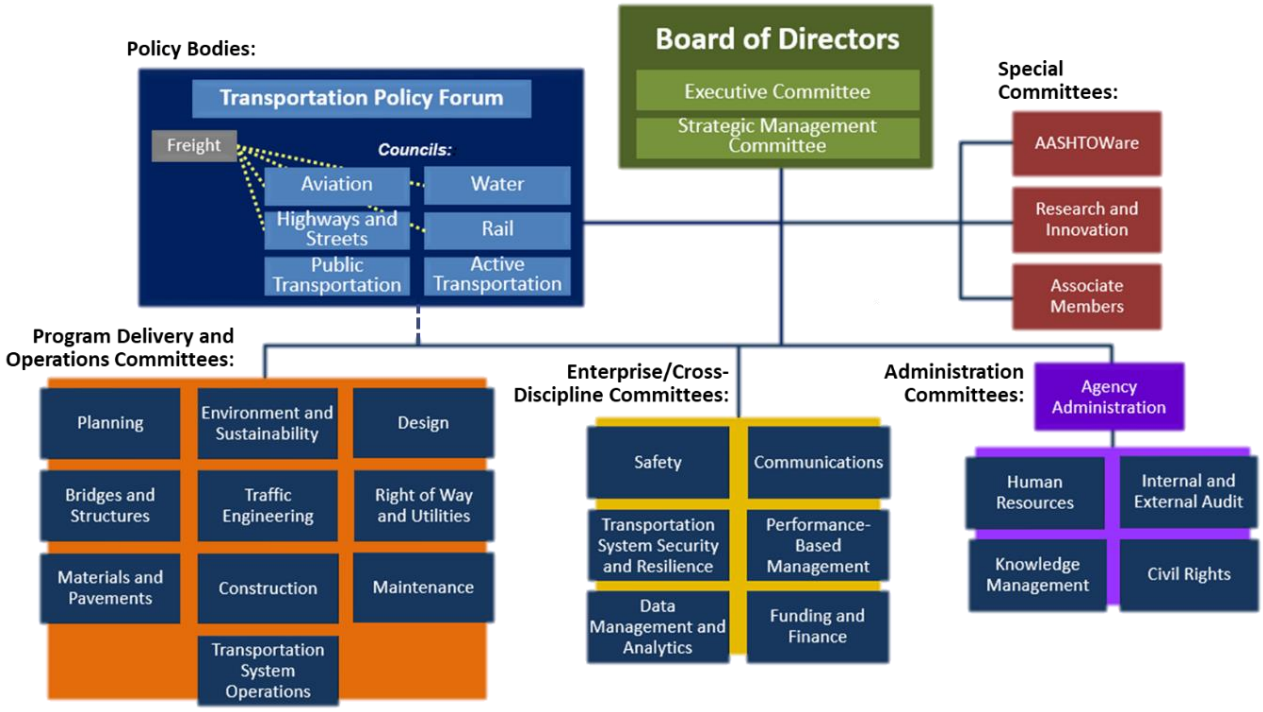
CONTENTS

Introduction

AASHTO's Committee Structure

The American Association of State Highway and Transportation Officials' (AASHTO) primary goal is to "foster the development, operation, and maintenance of an integrated national transportation system". AASHTO represents highway and transportation departments in all 50 states, the District of Columbia and Puerto Rico, and represents all transportation modes including: air, highways, public transportation, active transportation, rail, and water. AASHTO performs a wide range of policy development, standards setting, and technical activities to meet its goals of providing value to members, providing innovative technical and professional services and products, leading in the development of national transportation policy, and communicating the value of transportation.

These activities are largely carried out through volunteer efforts from staff at member organizations, who work through AASHTO's committees (shown below):



Source: AASHTO. Used with Permission

AASHTO activities are guided by a Board of Directors (BOD) representing member agencies. The Executive Committee consists of elected officers and is responsible for overall management of the activities and affairs of the Association; the Strategic Management Committee identifies emerging

national issues and concerns to be addressed; identifies gaps, overlaps, and opportunities for coordination; and advises the councils and committees.

Transportation Policy Forum

AASHTO's Transportation Policy Forum recommends policies related to legislation, regulation, and other policy matters to the BOD. It is organized into six councils representing different transportation modes. A Special Committee on Freight brings a multimodal perspective to policy development.

Program Delivery and Operations Committees

There are ten Program Delivery and Operations committees representing different stages of the transportation development life cycle, from planning through maintenance and operations.

Administration Committees

Five committees are concerned with transportation agency Administration functions – four topically focused committees that report up to an organizing Agency Administration Managing Committee.

Enterprise-Wide or Cross-Disciplinary

A third set of committees are concerned with Enterprise-Wide or Cross-Disciplinary functions such as data management and analytics.

Special Committees

Finally, there are two Special Committees – one for Research and Innovation and a second for AASHTOs cooperative development program (AASHTOWare).

The current committee structure reflects a restructuring effort initiated as a result of the last AASHTO Strategic Plan. The restructuring was designed to meet several objectives including addressing gaps and emerging issues and DOT priorities, increasing multi-modal communication and collaboration, more effectively handling cross-cutting issues, and providing a more efficient and nimble structure for decision making. Several procedural changes were adopted to foster

coordination and collaboration across the councils and committees and provide the agility needed to address emerging issues.

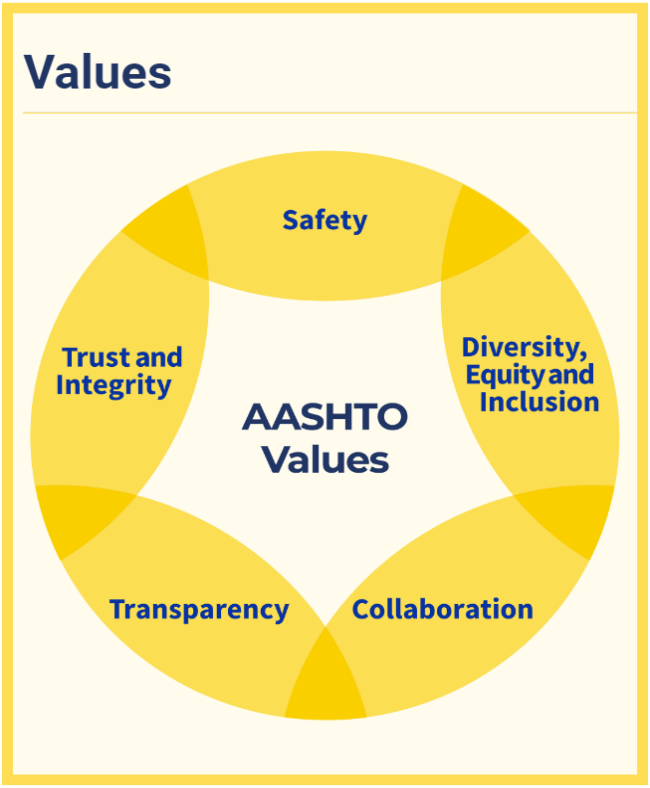
Why a Collaboration Playbook?

Each AASHTO Committee and Council has an established charter and scope but there are many points of common interest – and areas for collaboration across the different groups. Note that the term committee is used throughout this playbook to refer to committees and councils. A recent review of committee interests identified over 70 topics that were of interest to multiple committees. Structures and procedural frameworks are in place to facilitate and enable collaboration and coordination - and many committees are currently collaborating in multiple areas. However, additional information on specific collaboration opportunities and guidance on when and how to collaborate is needed.

Top Topics of Interest to Multiple Committees:

1. Workforce
2. Connected and Automated Vehicles (CAVs)
3. Drones
4. Diversity/Equity/Inclusion
5. Work Zones
6. Transportation Performance Measurement
7. Project Delivery Streamlining

This "AASHTO Collaboration Playbook" is intended to be used by AASHTO leadership, committee liaisons, and committee members to identify ways to strengthen and support collaboration.



Source: AASHTO 2021-26 Strategic Plan. Used with Permission

Why Collaborate?

Collaboration is Essential to AASHTO's Success. Collaboration is one of AASHTO's five core values, and collaboration is integral to achieving each of the three major goals in its AASHTO's 2021-26 Strategic Plan.

Source: AASHTO 2021-26 Strategic Plan. Used with Permission

Collaboration Reduces Duplication and Makes Best Use of Limited Resources. Without strong coordination, overlapping interests across committees inevitably result in duplicative efforts – for example, planning a webinar, sending out a survey or creating a research problem statement on the same topic. AASHTO committees pursue a common set of activities to advance research, provide technical services (including manuals and guides), support professional development (through training, conferences, peer exchanges, and conferences) and support policy development (through proactive policy statements and input on new legislation and regulations). Cross-committee collaboration on these activities (e.g., joint conferences, shared knowledge portals, shared survey platforms, shared

training platforms, standard policy review processes) reduces duplication of effort and enables pooling of scarce committee resources to meet common goals.

Collaboration Creates Better Products and Services. Collaboration creates products and services that are stronger because they reflect multiple perspectives and areas of expertise. Transportation agencies must consider multiple modes, objectives, impact types, and solution types as they work to improve safety, mobility and access. Collaboration across domains and functional areas facilitates problem solving and development of broad consensus on how to approach shared challenges. It ensures that different perspectives are considered for developing new standards and guidance. It generally improves the flow of information and ideas across individuals and agencies – ensuring that the people contributing to product development have a broad base of knowledge needed to create robust products.

Collaboration Opportunities and Resources

Committees can collaborate on the following common types of activities:

Professional Development/Capacity Building

- Annual conferences
- Webinars
- Peer exchanges
- Training course development
- Communities of Practice (who meet periodically to discuss topics of interest and share information)
- Knowledge portals and other platforms for sharing information resources of interest to multiple committees

Research and Information Gathering

- Brainstorming research needs
- Surveying member agencies to identify current practices and challenges
- Developing research problem statements
- Communication in advance of research balloting to share information about research candidates of potential interest to others
- Nomination of research panel members
- Disseminating results of research

Technical Services/Standards and Guidance

- Developing new AASHTO standards or guidance documents
- Updates to existing AASHTO standards or guidance documents
- Technical service programs

Policy

- Sharing information on legislative activities
- Drafting policy statements or white papers on issues of mutual concern

- Coordinating comments on legislation and regulations

This Playbook provides several resources to help you identify and pursue collaboration opportunities:

Resource #1-AASHTO Committee Interests and Collaborations provides a summary of each AASHTO Council/Committee's purpose, key topics of interest, subgroups, prior and planned collaborations, related Technical Service Programs (TSPs) and external partners/stakeholders. It also provides links to committee charters, strategic plans and web pages.

Resource #2-Committee Collaboration Clusters provides a starting point for identifying other committees that share interests with your committee and/or have collaborated with your committee in the past.

Resource #3-Top Ten Common Interests describes some of the top shared interests across AASHTO committees and highlights recent or current, planned and potential future collaboration activities.

Resource #4-Catalog of Collaboration Activities provides examples of current and past collaboration activities.

Resource #5-Guidance for the Annual AASHTO Action Planning Process provides additional step by step guidance on how to consider collaboration opportunities as you plan actions for the coming year (supporting Play #2)

In addition to this Playbook, the following tools are available:

The AASHTO Common Interest Tool is a visualization tool developed to accompany the Playbook that lets you explore the common interests of each committee.

The **AASHTO Strategic Plan Dashboard** provides information about each AASHTO Council/Committee's action plans that you can use to see if there are specific actions you'd like to collaborate on.

Making it Happen: Collaboration Plays

Guidance is provided below for eight Collaboration Plays:

For each Collaboration Play, the guidance indicates:

What the play entails

Who is responsible for the play

When should the play be initiated

Steps in carrying out the play

An **Example** of this play in action

Play #1: Set up Collaboration Conversations

What

Informal conversations involving multiple committee liaisons and/or members to discuss common interests, share information and explore possibilities for collaboration. This can take multiple forms:

- AASHTO Committee liaison sets up a call with a liaison of another committee.
- AASHTO Committee liaison invites a representative of another committee (Liaison or Member) to attend a committee meeting/conference session and brief participants on what their committee is doing.
- AASHTO Steering Committee member calls a colleague on another committee to discuss areas of potential collaboration.
- Multiple committees with common interests set up periodic calls (e.g. monthly, quarterly or annual) to share information on activities and brainstorm ideas for collaboration. (Consider Play #4: Create a Community of Practice, Joint Subcommittee or Working Group if you want to formalize these conversations further.)

Who

Can be initiated by the AASHTO Committee Liaison or Steering Committee members

When

- You hear about another committee's past or planned activity that is related to what your committee is doing and want to find out more.
- Your committee prioritizes a topic that would benefit from another committee's expertise or engagement
- You recognize that your committee shares one or more interests with one or more other committees and want to ensure regular communication to stay coordinated.

Steps

1. Identify the topic and the committee(s)
2. Send an introductory email to explain why there is interest in talking
3. Work out logistics of when and how to meet and who to involve
4. Set up the meeting
5. Record action items with responsibility assignments and deadlines

The **Committee on Safety** regularly organizes sessions with other committees on safety-related topics. They collaborated with the **Committee on Planning** to organize a session on "Safe System Approach in the Decision-Making Process" at the 2022 AASHTO Conference on Performance-Based Management, Planning, and Data" in Providence, Rhode Island.

Play #2: Consider Collaboration in Your Annual Action Plan Development Process

What

Committees and councils create strategic plans every three years. Each year, they develop an action plan with the activities they intend to carry out to accomplish the goals of their strategic plan. The annual committee action planning process is a good time to step back, evaluate your committee's existing collaborations and identify new initiatives for the coming year. There are tools available to help your committee identify other committees with shared interests.

Who

The AASHTO Committee Liaison takes the lead, with active involvement from Committee Steering Committee members.

When

August/September of each year

Steps:

1. Establish your preliminary action plan from review of current actions
2. Incorporate the goals and objectives of the AASHTO Strategic Plan
3. Identify additional collaborative opportunities
4. Check out the actions of peer committees from previous years
5. Coordinate with partner committees
6. Finalize your action plan

See Resource #5 for additional guidance on action planning.

The **Committee on Agency Administration Managing Committee** used the Common Interest tool to identify potential topics for collaboration in 2023. They saw that the **Committee on Human Resources** and the **Committee on Safety** shared an interest in Employee Safety. They included an action in their plan to coordinate with these two committees and are pursuing setting up a Community of Practice on this topic.

Play #3: Plan a Joint Conference

What

Coordinate with other committees to plan joint conferences that include events of interest to multiple committees as well as committee-specific sessions.

Who

The AASHTO Committee Liaison takes the lead, with active involvement from Committee Steering Committee members.

When

- Your committee has shared interests with other committees in a set of priority topics
- You want to split the effort of organizing a conference across multiple committees
- The logistics of a joint conference are workable, including alignment of schedules and ability to cover the desired content of participating committees within a reasonable conference duration.

Steps:

1. Start planning for your committee's next annual conference at least one year in advance.
2. Identify potential partners and shared topics
3. Discuss the concept for a joint conference with other AASHTO committee liaisons to ascertain potential interest
4. If there is interest, discuss with steering committee members to obtain support for pursuing the joint conference.
5. Form a conference planning committee with representatives of the participating committees
6. During the conference planning process, identify topics of interest to all participants for the plenary session and one or more joint sessions.
7. Ensure that all participating committees publicize the conference and encourage attendance.
8. Arrange for preparation of conference proceedings with engagement of all committees for note taking and proceedings review responsibilities.

The **Council on Active Transportation**, **Committee on Planning**, **Special Committee on Freight**, and **Committee on Transportation System Security and Resilience** held a joint Policy Conference in 2020, covering topics including state DOT responses to COVID-19, resilience and freight, planning for resilience, and mobility analytics.

Play #4: Create a Community of Practice, Joint Subcommittee or Working Group

What

Form a group to share information and collaborate on a topic of interest – can be temporary or permanent.

Who

Committee chair and the AASHTO Committee Liaison

When

- There is a need for ongoing information exchange about a specific discipline or topic across multiple committees (and potentially, external stakeholders) – Community of Practice
- There is a need for ongoing collaboration related to a specific discipline or topic across multiple committees – Joint Subcommittee
- There is a need for a collaborative effort to explore a particular topic of common interest; the need for a permanent group has not been established – Joint Task Force or Inter-Committee Working Group

Steps

1. Identify a committee member who is interested in leading the group
2. Discuss the need and confirm that there aren't already existing groups that are addressing this need.
3. Determine the appropriate type of group to meet the need.
4. Develop a statement of the purpose and scope of the group
5. Recruit and designate members representing participating committees
6. Seek approval from the AASHTO Strategic Management Committee (for a joint subcommittee); inform the AASHTO Strategic Management Committee (for other groups)
7. Establish committee support responsibilities - setting up meetings, building agendas, and posting materials.

Four inter-committee working groups on emerging mobility areas were established in 2020 to facilitate coordination between AASHTO's standing committees and councils and provide timely updates to state departments of transportation. The four groups cover: electric vehicles; uncrewed aerial systems (UAS) and advanced aerial mobility (AAM); connected and automated vehicles (CAV); and shared mobility, mobility on demand (MoD), and mobility as a service (MaaS). Each group has a sponsoring committee/council and several cooperating committees/councils. For example, the Electric Vehicles group's sponsor is the Council on Highways and Streets; its cooperating members are the Council on Public Transportation and the Committees on Right of Way, Utilities and Outdoor Advertising; Civil Rights; Transportation System Operations; Environment and Sustainability, Funding and Finance, and Planning.

Play #5: Collaborate on Research

What

Engage multiple committees in development, oversight and dissemination of research products.

Who

Committee chairs and research leads

When

- Your committee has identified an issue or challenge to be addressed by research but needs help from other committees to better define what type of research would be beneficial (Collaborate on research problem statement development)
- Your committee has generated an idea for research that would be of interest to members of other committees (Collaborate on research problem statement development)
- Your committee has generated an idea for research that would depend on other committees for implementation of research products (Collaborate on research problem statement development)
- A cooperative research project of interest to multiple committees has been selected for funding (Collaborate on panel nominations)
- A research project of interest to multiple committees has been completed (Collaborate on research dissemination)

Steps:

1. Review the available research guidance for AASHTO committees to understand the points during the research cycle where collaboration can be beneficial.

2. Identify other committees with an interest in your research topic or project – refer to the resources listed above in *Resources for Identifying Collaborators*, and/or contact your AASHTO committee liaison. Note also that each AASHTO committee has an assigned NCHRP Senior Program Officer who can help to identify ongoing and upcoming research projects related to the topic of interest. In addition, several committees have developed research road maps that you can review to identify interests.

3. Identify the research lead(s) for the committees you wish to engage. You can find this information on the committee website or from the committee chair or AASHTO liaison.

4. If you want to collaborate on problem statement development, work with the research lead(s) to determine the best way to engage the other committees. Your goal will be to identify representatives of each committee who are willing to spend some time discussing the topic and helping to draft the problem statement.

5. When the project is selected for funding, ask the chairs of the other interested committees to share information about the project with their members and identify suitable candidate panel members.

6. When the project is complete, contact the chairs of the other interested committees to share information about the project with their members – including invitations to webinars on project results.

7. Consider setting up meetings with the original collaborators to identify future activities to develop follow-on research or support implementation.

Leadership from the Risk Management Subcommittee of the Committee on Performance-Based Management (CPMB) and the Committee on Transportation System Security and Resilience worked together to champion a $4 million research project to develop a manual to share guidance and best practices on resiliency in transportation. The research topic originated in the CPBM Risk Subcommittee, but CTSSR was included from the start to provide their support and assistance along the way. There was strong involvement from the AASHTO liaisons of the two committees to maintain engagement throughout the process.

Play #6: Coordinate Policy Review Across Multiple Committees

What

Collaborate on proactive policy statements; coordinate response to developing legislation and association regulatory activities.

Who

Designated AASHTO Staff Lead

When

- An emerging policy issue is identified impacting multiple transportation agency disciplines or functions

Steps:

1. Identify AASHTO committees with an interest in the policy/legislation/regulation
2. Reach out to committee chairs and/or the AASHTO liaisons of the identified committees to identify members to participate in the policy development/review process
3. Convene a work group with representatives of the various interested committees (or identifies an existing joint working group or subcommittee)
4. Use work group meetings to review background information, define deliverables and coordinate the comment process
5. Work with committee members to draft a consensus policy statement or comment letter.

In June, 2022, FHWA released a Notice of Proposed Rulemaking (NPRM) for the National Electric Vehicle Infrastructure Formula Program. The AASHTO commenting process was led by the **EV Inter-committee Working Group**, with participation from the **Council on Highways and Streets**; **the Joint Subcommittee on Workforce Development**; and **Committees on Transportation System Security and Resiliency, Transportation System Operations, Traffic Engineering; Right-of-Way, Utilities, and Outdoor Advertising Control; Data Management and Analytics, Planning; Human Resources; and Civil Rights**. This collaborative effort was essential given the multi-faceted nature of the NPRM – including content related to EV charger location and spacing; traffic control devices; communications standards; use of formula program funding; workforce requirements for installation, operation and maintenance; reporting and 3rd party data sharing; and security.

Play #7: Collaborate on Guidance or Standard Development/Updates

What

Engage members of multiple AASHTO committees in an effort to draft a new guidance document, develop a new standard, update an existing guidance document or standard

Who

Committee or subcommittee chairs and AASHTO Liaisons

When

- Your committee has prioritized an initiative to create or update a guidance document or standard that would be of interest to members of other committees

Steps:

1. Identify other committees with an interest in guidance/standard topic.
2. Reach out to committee chairs and/or the AASHTO liaisons of the identified committees to identify members to participate in the guidance/standard development or update process.
3. Convene a work group with representatives of the various interested committees (or identifies an existing joint working group or subcommittee)
4. Meet with the work group to discuss the scope of the effort and the type of support resources required. If it is a major effort, pursue a research project to engage contractor support (see Play #5).
5. Use work group meetings to assign tasks and track completion.
6. At key milestones in the process, ask representatives of each committee to seek broader input from other committee members.
8. Once the effort is complete, identify ongoing activities to facilitate use or implementation of the product. Contact the chairs of the interested committees to share information about the guidance/standard with their members.

The Council on Active Transportation and the Council on Highways and Streets have a joint resolution to update and produce the AASHTO Green Book. Members of the Active Transportation Council sit on the geometric design and non-motorized subcommittees of the Green Book planning group in order to provide their input for the book updates.

Play #8: Collaborate on Knowledge-Sharing Activities

What

Set up a knowledge-sharing platform for members of multiple AASHTO committees – can include posting of information resources and/or discussion features.

Who

AASHTO Staff Liaisons, committee chairs, leads of joint groups (subcommittees, task forces, working groups, Communities of Practice)

When

- A committee or joint group has identified the need for sharing information and knowledge across members of multiple committees.

Steps:

1. Determine the scope and scale of what is needed, based on the type of information and content to be shared, the size and composition of the target audience, and the timeframe for implementation.
2. Determine required resources needed for initial development and ongoing maintenance/support.
3. Line up resources - small scale efforts (e.g., listservs or use of the existing AASHTO website infrastructure) can consider use of AASHTO Staff and committee member volunteers to set up and maintain; larger scale efforts will require support through research projects, pooled-fund projects and/or technical services programs.
4. Create a work group (or identify an existing work group) to oversee implementation, monitor usage once established, and determine ongoing activities to ensure value.

Small-scale example: The Data Governance Community of Practice (COP) is a collaborative effort of the **Committee on Knowledge Management** and **the Committee on Data Management and Analytics**. The CoP leads set up a listserv to enable communication and knowledge sharing across the CoP members.

Large-scale example: The Center for Environmental Excellence (CEE) provides a "one-stop source of environmental information for transportation professionals, with programs that cover a range of over 20 different environmental topics". The CEE serves several different transportation disciplines: Planning, Public Transportation, Design, Maintenance, Operations, and Construction. Several different AASHTO Committees participate in the Technical Working Group (TWG) that governs the CEE including **Committees on Environment and Sustainability, Construction, and Planning.**

Resource #1. AASHTO Committee Interests and Collaborations

Policy Bodies

Council on Active Transportation (CAT)

Purpose

The Council on Active Transportation shall address issues related to bicyclist, pedestrian, and other active transportation modes, including non-motorized access to the multimodal network. The Council shall provide input on related policy issues and cross-cutting/ multimodal issues to the Transportation Policy Forum. The Council shall provide direction and assignments to the committees related to active transportation, and review and approve applicable technical documents on behalf of the association.

The Council shall promote and encourage technology and knowledge transfer by member states, and shall make recommendations regarding needed research. The Council shall review and provide input on proposed federal policies of national concern, and identify key policy areas for review and discussion by the Transportation Policy Forum

Topical Subgroups

- Connected and Automated Vehicles Working Group (participant)
- Joint Subcommittee on Work Zones (participant)
- Shared Mobility/Mobility as a Service/Mobility on Demand Inter-Committee Working Group (participant)

Substantive Topics

- Pedestrian and bicyclist safety
- Communicating the value of active transportation to the transportation system, the environment and communities
- Collecting, managing, analyzing and monitoring pedestrian and bicyclist data related to safety, mobility, cost, facilities and system utilization
- Inclusion of active transportation in transportation program and project development and delivery
- New technologies that may impact active transportation: automated vehicles, connected vehicles, electric bicycles, bike share, personal mobility devices, mobility as a service (MaaS), smart phone apps, drones
- Capacity building, training and knowledge sharing related to active transportation for planners, engineers, and other transportation practitioners

Example Collaborations

- **Highways and Streets, Public Transportation, Design, Planning**, **Communications** - Developed recommended CAT policies, assisting with IIJA implementation
- **Highways and Streets, Public Transportation, Design, Planning, Traffic Engineering, Communications** - Revising Definition of "Active Transportation"; Seek funding for new communication material
- **Planning** – support Multimodal Task Force, identify gaps that prevent people from accessing a complete, connected network for walking and bicycling.
- **Communications** - messaging, branding, and communicating the value of active transportation
- **Safety, Committee on Data Management and Analytics** - tools and resources to assist State, regional, and Federal agencies to monitor and report active transportation safety information
- **Highways and Streets, Design** – updates to Green Book, Low Volume Roads Book, Bicycle and Pedestrian Guide
- **Safety** – updates to Highway Safety Manual
- **Environment and Sustainability** – health and transportation
- **Design** – work with Joint Technical Committee on Non-Motorized Transportation
- **Center for Environmental Excellence** – peer exchange on active transportation safety
- **Traffic Engineering** – strengthen partnership and increase collaboration

Related AASHTO TSPs/Centers of Excellence

- Center for Environmental Excellence (CEE)

External Partners/Stakeholders

- State Pedestrian and Bicycle Coordinators (and local/MPO partners)
- State Pedestrian and Bicycle Coordinators (and local/MPO partners)
- Transportation and Active Transportation Organizations: Institute of Transportation Engineers, Association of Pedestrian and Bicycle Professionals, Safe Routes to School National Partnership, National Association of City Transportation Officials, The International Professional Association for Transport and Health, ACSE Transportation and Development Institute
- Planning/Engineering/Design Organizations: American Planning Association, American Society of Landscape Architects, American Public Works Association, American Society of Civil Engineers
- Land use practitioner networks: New Partners for Smart Growth, Congress for the New Urbanism, Project for Public Spaces, Urban Land Institute
- Governance: National League of Cities and local affiliates, National Association of Counties, Association of Metropolitan Planning Organizations and local affiliates, US Conference of Mayors, The Council of State Governments
- Research/academia: Transportation Research Board, Initiative for Bicycle and Pedestrian Innovation, Pedestrian and Bicycle Information Center, Victoria Transport Policy Institute
- Advocacy: PeopleforBikes, TransitCenter, Transportation4America, America Walks, League of American Bicyclists, Smart Growth America, Complete Streets Coalition, Rails-to-Trails

- Public Health: Centers for Disease Control and Prevention, Build Healthy Places Network, American Public Health Association, Public Health Institute, National Association of County and City Health Officials, ChangeLab Solutions
- Civic Foundations: Bloomberg Philanthropies, Knight Foundation, Robert Wood Johnson Foundation, Walton Family Foundation, Gehl Institute

Links

- Active Transportation Council Webpage
- Active Transportation Council Charter 2019
- Active Transportation Council Strategic Plan 2018 Approved
- Research Roadmap for the AASHTO Council on Active Transportation

Council on Aviation (COA)

Purpose

The Council on Aviation shall discuss and recommend policies related to aviation legislation and regulation, and coordinate the efforts of the National Association of State Aviation Officials (NASAO) and AASHTO on joint aviation policy matters. The Council shall review aviation policy obtained from NASAO; suggest aviation policy for NASAO's consideration; and recommend aviation policy to AASHTO's Transportation Policy Forum. The Council shall operate as a forum to exchange information, identify aviation issues of national concern, regulatory mandates, and provide information to members on these important issues. The Council shall review and ballot technical documents as assigned by the Transportation Policy Forum and provide direction and assignments to committees on aviation issues.

Topical Subgroups

- Unmanned Aerial Systems and Urban Air Mobility (UAS/UAM) Working Group

Substantive Topics

- Advancing aviation as part of an integrated multimodal transportation system
- Unmanned Aerial Systems (UAS)/Drones policy
- Aviation funding
- Workforce challenges

Example Collaborations

- **Human Resources, Knowledge Management** - Identify aviation workforce challenges and coordinate with partners in AASHTO and NASAO to seek solutions and share perspectives
- **Environment and Sustainability, Transportation System Operations, Bridges and Structures, Maintenance, Communications** - Survey on DOT UAS/AAM programs, resource library, CEO flyer
- **Environment and Sustainability, Bridges and Structures, System Operations, Maintenance and Construction** - UAS (drones) user work group
- **Communications** – Impacts of general aviation on state and local economies report
- **Funding and Finance** – state block grants program guidance, airport and airway trust fund
- **Environment and Sustainability** - AIP eligibility for new firefighting equipment (Foam)

- **Materials and Pavements** – pavement design
- **Administration, Human Resources, Knowledge Management** – workforce development
- **Research and Innovation** - research

Related AASHTO TSPs/Centers of Excellence

- None

External Partners/Stakeholders

- Federal Aviation Administration (FAA)
- National Association of State Aviation Officials (NASAO)
- Association of General Contractors (AGC)
- American Road and Transportation Builders Association (ARTBA)
- Association (ARBTA)
- Alliance for Aviation Across America (AAAA)
- Airport and Airway Trust Fund (AATF)

Links

- Aviation Council Charter
- Aviation Council Strategic Plan
- Aviation Council Webpage

Council on Highways and Streets (CHS)

Purpose

The Council on Highways and Streets shall address issues related to highway and street planning, design, construction, operation, and maintenance, and shall provide input on related policy issues and cross-cutting/multimodal issues to the Transportation Policy Forum. The Council shall provide direction and assignments to the Committees on issues related to highways and streets. The Council will also review and ballot applicable technical documents on behalf of the association, including engineering standards and guides related to all phases of project delivery, maintenance, operations, safety, and materials. The Council shall promote and encourage technology and knowledge transfer by member states, and shall make recommendations regarding needed research. The Council shall review and provide input on proposed federal regulatory mandates of national concern, and identify key policy areas for review and discussion by the Transportation Policy Forum.

Topical Subgroups

- Electric Vehicles (EV) Working Group (lead)
- Connected and Automated Vehicles Working Group (participant)
- Unmanned Aerial Systems and Urban Air Mobility (UAS/UAM) Working Group (participant)
- Shared Mobility/Mobility as a Service/Mobility on Demand Inter-Committee Working Group (participant)

Substantive Topics

- Highway and street planning, design, construction, operation, and maintenance

- Multimodal and cross-discipline collaboration
- Transportation safety
- Mobility – increasing physical and operational capacity
- Improving the national freight network
- Accelerated project delivery/streamlining
- Communicating value of transportation
- Diversity, equity and inclusion in the workforce

Example Collaborations

- **Safety** – reducing injuries and fatalities
- **Safety, Active Transportation, Transportation Communications** – national safety messages
- **Active Transportation, Public Transportation, Rail, Freight** – multimodal surface transportation system safety
- **Research and Innovation, AASHTO Innovation Initiative (AII)** - research and use of technologies in addressing collision and fatality reduction
- **Performance-Based Management** – project delivery process streamlining
- **National Operations Center of Excellence** – facilitate dissemination of best practices for enhancing system operations
- **Freight** – improving freight mobility
- **Human Resources, Knowledge Management** – workforce development
- **Transportation Communications** – value of transportation
- **Active Transportation, Design, Bridges and Structures, Safety** – policies, procedures, technical standards, technical assistance programs

Related AASHTO TSPs/Centers of Excellence

- AASHTO Innovations Initiative (AII)
- AASHTO/ACEC – Joint AASHTO – American Council Of Engineering Companies Committee
- Transportation Curriculum Coordination Council (TC3)

External Partners/Stakeholders

- Associated General Contractors of America (AGC)
- American Road and Transportation Builders Association (ARTBA)
- American Council of Engineering Companies (ACEC)
- American Public Works Association (APWA)
- National Association of County Engineers (NACE).
- National LTAP Association
- World Road Association (PIARC)

Links

- Highways and Streets Council Charter 2018
- Highways and Streets Council Strategic Plan 2018 Approved
- Highways and Streets Council Webpage

Council on Public Transportation (CPT)

Purpose

The Council on Public Transportation shall provide expertise and leadership for advancing public transportation as a part of a multimodal transportation system. The Council shall develop policy recommendations related to all forms of passenger public transportation services, including rural, urban, regional and intercity bus, and travel demand management for consideration by the Transportation Policy Forum. The Council shall review and ballot technical documents as assigned by the Transportation Policy Forum and provide direction and assignments to committees on public transportation issues

Topical Subgroups

- Subcommittee on Safety
- Subcommittee on Policy
- Shared Mobility/Mobility on Demand/Mobility as a Service Inter-Committee Working Group (lead)
- Connected and Automated Vehicles Working Group (participant)
- Joint Subcommittee on Work Zones (participant)

Substantive Topics

- Advancing public transportation as part of an integrated transportation system
- Multimodal transportation solutions
- Funding for public transportation
- Public transportation policy and regulation
- Multi-state/agency joint procurements
- Public transportation safety
- Transit asset management
- Rolling stock specifications

Example Collaborations

- **Planning, Rail, BATIC, Center for Environmental Excellence, National Operations Center of Excellence** – integrated multimodal transportation

Related AASHTO TSPs/Centers of Excellence

- Multi-State Technical Assistance Program (MTAP)
- Center for Environmental Excellence (CEE)

External Partners/Stakeholders

- Federal Transit Administration (FTA)
- American Public Transit Association (APTA)
- Community Transportation Association of America (CTAA)
- Public transportation partners
- National RTAP

- Interagency Transportation Coordinating Council on Access and Mobility (CCAM)

Links

- Public Transportation Council Charter 2018
- Public Transportation Council Strategic Plan 2018 Approved
- Public Transportation Council Webpage

Council on Rail (COR)

Purpose

The Council on Rail Transportation shall provide a forum to discuss, recommend, and coordinate with rail stakeholders on freight, passenger, and commuter rail legislation and regulation. The Council shall comment and recommend freight and passenger (commuter, intercity, and high speed) rail policy considerations to the Transportation Policy Forum and disseminate information, tools, and technical assistance to members regarding freight and passenger mobility. The Council shall review and ballot technical documents as assigned by the Transportation Policy Forum and provide direction and assignments to committees on rail issues. The Council shall provide support for and coordinate with a variety of rail stakeholders. The Council on Rail Transportation shall coordinate with the Council on Public Transportation on commuter rail issues related to funding and other public transportation-related topics.

Topical Subgroups

- Subcommittee on Safety
- Subcommittee on Policy

Substantive Topics

- Advancing rail as part of an integrated transportation system
- Multimodal transportation solutions
- Freight rail
- Passenger rail

Example Collaborations

- **Freight** – AASHTO Rail Resource Center, policy input, organize webinars on issues timely to passenger rail and freight
- **Various** – implementation of SHRP 2 R16: Railroad-DOT Institutional Mitigation Strategies

Related AASHTO TSPs/Centers of Excellence

- AASHTO Rail Resource Center (ARRC)

External Partners/Stakeholders

- Federal Railroad Administration (FRA)
- Association of American Railroads (AAR)
- American Short Line and Regional Railroad Association (ASLRRA)
- Amtrak

- American Public Transit Association (APTA)
- State-Amtrak Intercity Passenger Rail Committee (SAIPRC)
- States for Passenger Rail Coalition (S4PRC)
- Next Generation Corridor Equipment Committee (NGEC)

Links

- Rail Transportation Council Charter 2018
- Rail Council Strategic Plan 2018 Approved
- Rail Council Webpage

Council on Water Transportation (COWT)

Purpose

The Council on Water Transportation shall develop policies for water transportation programs (ports, waterways, and associated facilities and services) for consideration by the Transportation Policy Forum (TPF), and shall provide technical expertise and management training for State water‐related agencies. The Council shall address all policy, regulatory, safety and enforcement issues impacting the nation's Coastal, Inland and Great Lakes waterways' ability to move goods efficiently on the national freight transportation network. The Council shall encourage the development of the research necessary to reach identified priority goals. The Council shall operate as a forum to exchange information and identify water freight transportation issues of national concern.

Topical Subgroups

- Subcommittee on Policy
- Subcommittee on Rulemaking and Technical Services
- Subcommittee on Capacity Building and Education

Substantive Topics

- Advancing water transportation as part of an integrated multimodal transportation system
- Best practices for addressing Coastal, Inland, and Great Lakes waterways operations, funding, safety, and capacity needs
- National freight transportation network
- Water freight issues of national concern
- Workforce capacity building related to water transportation

Example Collaborations

- **Freight, Rail** – develop and implement effective multimodal research

Related AASHTO TSPs/Centers of Excellence

- None

External Partners/Stakeholders

- American Association of Port Authorities (AAPA)
- Inland Rivers Ports and Terminals Inc.

- American Waterways Operators
- National Industrial Transportation League
- World Shipping Council

Links

- Water Transportation Council Charter 2019
- Water Strategic Plan 2018 Approved
- Council on Water Webpage

Special Committee on Freight (SCOF)

Purpose

The Special Committee on Freight shall develop policies related to legislation, regulation, and other policy matters related to the safe and reliable movement of goods for consideration by the Transportation Policy Forum and shall provide technical expertise and training for members and other freight-related agencies. The Special Committee will take a forward-looking view of freight issues and shall disseminate information and encourage research necessary to achieve identified policy goals. The Special Committee shall operate as a forum to exchange information regarding freight transportation issues of national concern. Of special concern will be the relationship between the movement of goods and the natural and built environments, social equity, public health, and the economy; the role of the private and public sector; the interconnectivity and resiliency of freight and passenger transportation modes and systems; and interface requirements between airports, highways, ports, railroads, transit systems, and waterways important for freight movement. The Committee shall address issues that cross boundaries between Councils and other issues identified by or referred to the Special Committee and in general promote the full consideration of multimodal concerns in the whole of AASHTO policy deliberations. As appropriate, it shall advise the various modal policy councils of the important multimodal freight concerns that should be considered in the formulation of modal policies.

Topical Subgroups

- Joint Subcommittee on Work Zones (participant)

Substantive Topics

- Multimodal movement of goods
- Environmental sustainability and community impacts of freight transportation
- Freight transportation safety
    - at-grade crossing action plans
- Freight transportation system efficiency
- Freight transportation system funding
- Communicating the value of safe and efficient freight transportation
- State-to-state harmonization of freight-related regulations that inhibit efficient freight movement between states (e.g., permitting, weight limits, registration, etc.)
- Preservation of critical freight corridors, facilities, and adjacent land through local and regional land-use policies and decision-making

- State freight planning, data and analytical methods
- Impacts of new technologies and business models in freight, including connected and autonomous vehicles, automated freight delivery systems, and advanced traveler information systems
- Workforce capacity building
- Freight collaboration and coordination – urban, rural, regional, multi-state, corridor, international
- Freight transportation connections to international gateways, including seaports and airports
- Accommodating rapid changes in supply chains
- Innovative freight transportation facilities and platforms
- Truck parking

Example Collaborations

- **Transportation System Operations** – harmonizing freight regulations across states (CTSO Working Group on Freight Operations)
- **Environment and Sustainability** – minimizing freight environmental and community impacts
- **Water, Rail, Planning –** freight coordination
- **Research and Innovation –** research

Related AASHTO TSPs/Centers of Excellence

- None

External Partners/Stakeholders

- FHWA's National Coalition for Truck Parking
- National Association of City Transportation Officials (NACTO)
- American Planning Association (APA)
- Association of Metropolitan Planning Organizations (AMPO)
- Transportation border working groups (Canada and Mexico)

Links

- Freight Special Committee Charter 2018
- Freight Strategic Plan 2018 Approved
- Special Committee on Freight Webpage

Program Delivery and Operations Committees

Committee on Planning (COP)

Purpose

Planning is an essential part of decision-making and program development in State DOTs. The planning process provides a State DOT with the capability to define a consensus-based and collaborative vision for transportation reflecting the perspectives of both internal and external stakeholders; and that leads to near- and long-term actions. The Committee on Planning addresses all aspects of the transportation

planning process including federal regulations, current industry practices, and emerging approaches and concepts. The Committee is dedicated to providing State DOTs the expertise, resources and tools they need to implement a robust planning process within their agencies that is multimodal, multidisciplinary, innovative and consensus-oriented.

Topical Subgroups

- Congestion Mitigation and Air Quality Task Force
- Connected and Automated Vehicles Task Force
- Freight Planning Task Force
- Multimodal Surface Transportation Planning Task Force
- Subcommittee on Professional Development
- Connected and Automated Vehicles Working Group (participant)

Substantive Topics

- Statewide transportation planning
- Transportation system resilience – fostering the role of planning
- Communicating the value of transportation systems
- Connected and automated vehicles – implications for planning
- Use of performance measures
- Planning capacity building for the future transportation agency workforce
- Societal, technological, demographic, etc. factors that could have a significant impact on travel and the use of the transportation system.
- Travel demand modelling
- Economic benefits of transportation

Example Collaborations

- **Performance-Based Management** – research coordination
- **Data Management and Analytics** – research coordination
- **Environment and Sustainability** – research coordination
- **Highways and Streets** – research coordination
- **Public Transportation** – research coordination
- **Active Transportation** – research coordination
- **Transportation Communications** – communicating the value of the transportation system

Related AASHTO TSPs/Centers of Excellence

- Census Transportation Planning Products (CTPP)
- Center for Environmental Excellence (CEE)

External Partners/Stakeholders

- Federal Highway Administration (FHWA) - Planning, Environment and Realty
- Federal Transit Administration (FTA)

Links

- Planning Committee Charter 2018
- Planning Strategic Plan 2018 Approved
- Committee on Planning Webpage

Committee on Environment and Sustainability (CES)

Purpose

AASHTO's Committee on Environment and Sustainability shall address environmental and sustainability issues related to the resilient and efficient delivery and operation of the nation's multimodal transportation systems. These issues affect both the human and the natural environment. The Committee shall encourage, recommend and support programs and initiatives to streamline the environmental review and permitting processes, ensure inclusive community engagement, and promote resource stewardship through sustainable practices. The Committee shall monitor and analyze federal environmental laws, regulations, procedures and guidance, and provide policy recommendations to the Transportation Policy Forum. The Committee shall provide technical support to members to increase their capacity to efficiently and reliably deliver environmentally sound transportation infrastructure programs and services. The Committee shall create a knowledge foundation by monitoring national trends and circumstances and promoting practical and timely research on significant transportation-related environmental issues. The Committee shall serve as a forum to disseminate and exchange information, experiences and best practices among Member Departments and committees, and promote practices that encourage interagency cooperation and coordination.

Topical Subgroups

- Environmental Process Subcommittee
- Natural Resources Subcommittee
- Cultural Resources Subcommittee
- Air Quality, Climate Change and Energy Subcommittee
- Sustainability Work Group
- Noise Working Group

Substantive Topics

- Federal environmental legislation, regulation, guidance, policies and processes
    - Environmental review and permitting processes
    - Environmental analysis
- Community engagement, tribal engagement
- Context sensitive design
- Resource stewardship
- Roadside Management – stormwater, vegetation
- Sustainability
- Climate Change
- Air Quality – emissions, greenhouse gases (GHG)
- Highway noise

- Transportation and health
- Environmental Justice/Social Equity
- Project Delivery/Streamlining
- Alternative Project Delivery Models – environmental commitments

Example Collaborations

- **Construction; Design; Right of Way, Utilities and Outdoor Advertising; Materials and Pavements; Bridges and Structures, Highways and Streets**– coordination with FHWA and other federal agencies on project delivery streamlining

Related AASHTO TSPs/Centers of Excellence

- Environmental Technical Assistance Program (ETAP)
- Center for Environmental Excellence (CEE)
- Resilient and Sustainable Transportation Systems Technical Assistance Program (RSTS)
- Snow and Ice Cooperative Program (SICOP)
- Transportation Curriculum Coordination Council (TC3) - Environmental Training

External Partners/Stakeholders

- USDOT Modal Administrations

Links

- Environment and Sustainability Committee Charter 2018
- Environment and Sustainability Strategic Plan 2018 Approved
- Committee on Environment and Sustainability Webpage

Committee on Design (COD)

Purpose

The Committee on Design shall investigate, develop, and maintain guidance pertaining to the design and performance of a multi-modal transportation system. The committee shall investigate, develop, and maintain recommended practices for the design of such facilities to provide mobility and integrate safety features for all users; recommend and promote design practices that will protect and enhance the quality of the environment; facilitate research and guidance on various design related topics in transportation; serve as a forum for the exchange of practices and experience in the field of transportation facility design; and give due consideration to the effect of all design features on economic and energy resources.

Topical Subgroups

- Cost Estimating Technical Committee
- Geometric Design Technical Committee
- Hydrology and Hydraulics Technical Committee
- Project Management Technical Committee
- Roadside Safety Joint Technical Committee

- Alternative Project Delivery Methods Joint Technical Committee
- Electronic Engineering Standards Joint Technical Committee
- Non-Motorized Transportation Joint Technical Committee
- Roadway Lighting Joint Technical Committee
- Joint Subcommittee on Work Zones (participant)
- Project Management Community of Practice (proposed new)

Substantive Topics

- Project Delivery/Streamlining
    - Cost Estimating
    - Construction Manager/General Contractor (CM/GC) Procurement
    - Risk Management
    - Project Management
    - Performance Measures for design, project delivery
- Context sensitive design, performance-based practical design
- Communicating environmental commitments through design to construction
- BIM for Infrastructure, data transfer from as-builts to 3D models to asset management
- Climate change and energy efficiency in project design
    - LED roadway lighting
    - Alternative fuel vehicles
- Mobility and accessibility of non-motorized users
- Constructability best practices for designers
- Incorporating sustainability and resiliency in design
- Life cycle costs of project assets
- Stormwater management, drainage design, hydraulic engineering
- Roadside design
- Work zone safety
- in-service performance evaluations for safety hardware
- Manual for Assessing Safety Hardware (MASH) implementation
- New/emerging technologies and processes
    - Automated Machine Guidance (AMG)
    - Autonomous and connected vehicles – implications for street design
    - Electronic bid documents
    - 3D models
    - Data interoperability

Example Collaborations

- **Construction, Bridges and Structures** - Guide to CMGC Procurement
- **Environment and Sustainability** - streamline and improve working relationships with regulatory agencies, produce guidance for tracking NEPA commitments across the life of a project, hydrology and hydraulics technical committee work, Natural Resources Subcommittee activities
- **Environment and Sustainability, Transportation System Security and Resilience** – understand concurrent efforts and identify redundant or inconsistent activities.

- **Bridges and Structures** - LRFD Bridge Design Specifications, T-13 (culvert design), T-15 (substructures and retaining walls design), joint technical committees
- **Construction** – joint technical committees on Alternative Project Delivery Methods and Electronic Engineering Standards
- **Active Transportation** - Joint Technical Committees on Geometric Design and Non-Motorized Transportation activities.
- **Active Transportation, Highways and Streets, Traffic Engineering** – pedestrian and bicycle facility design guidance
- **Highways and Streets** – development of guidance, processes and procedures

Related AASHTO TSPs/Centers of Excellence

- AASHTOWare
- Design Publications Maintenance (DPM)
- Transportation System Preservation Technical Service Program (TSP2)
- MASH Technical Support Technical Service Program

External Partners/Stakeholders

- FHWA
- American Council of Engineering Companies (ACEC)

Links

- Design Committee Charter 2018
- Design Strategic Plan 2018 Approved
- Committee on Design Webpage

Committee on Bridges and Structures (COBS)

Purpose

The Committee on Bridges and Structures shall develop and keep current all major engineering standards, specifications and principles pertaining to the methods and procedures of bridge and structural design, fabrication, erection, construction, inspection, and maintenance, including geometric standards and aesthetics as appropriate for bridges, tunnels and ancillary structures; make recommendations for testing and investigating existing and new materials of construction, and determine areas of needed study and research in the area of bridge engineering; and develop and maintain such standards and procedures as are appropriate for rating and evaluating existing in service structures. It shall identify and report to the Transportation Policy Forum on any federal regulatory mandates of national concern

Topical Subgroups

- T-1 Security Technical Committee
- T-2 Bearings and Expansion Devices Technical Committee
- T-3 Seismic Design Technical Committee
- T-4 Construction Technical Committee
- T-5 Loads and Load Distribution Technical Committee

- T-6 Fiber Reinforced Polymer Composites Technical Committee
- T-7 Guardrail and Bridge Rail Technical Committee
- T-8 Moveable Bridges Technical Committee
- T-9 Bridge Preservation Technical Committee
- T-10 Concrete Design Technical Committee
- T-11 Research Technical Committee
- T-12 Structural Supports for Signs Technical Committee
- T-13 Culverts Technical Committee
- T-14 Structural Steel Design Technical Committee
- T-15 Substructures and Retaining Walls Technical Committee
- T-16 Timber Structures Technical Committee
- T-17 Metals Fabrication Technical Committee
- T-18 Bridge Management, Evaluation, and Rehabilitation Technical Committee
- T-19 Software and Technology Technical Committee
- T-20 Tunnels Technical Committee
- Alternative Project Delivery Methods Joint Technical Committee (participant)
- Electronic Engineering Standards Joint Technical Committee (participant)

Substantive Topics

- Bridge design, bridge maintenance, bridge repair, bridge preservation, bridge rehabilitation
    - LRFD design specifications
    - of historic bridges
    - Scour protection
    - Fire suppression systems
    - Bridge service life
- New/emerging materials
    - fiber reinforced polymers, basalt fiber reinforced polymers
    - stainless steel
    - titanium
    - ultra-high performance concrete (UHPC)
- Optimizing structural systems
    - design, construction, and material provisions for disc bearings
    - use of aluminum and high strength bolts in structural support systems
    - design of foundations and walls
    - fabrication of steel bridge members
    - LED lighting in tunnels
- Bridge and tunnel security – intentional and unintentional resiliency hazards, hazard awareness and recovery
    - Seismic design
    - Tsunamis
    - Fire

- Bridge security – intentional and unintentional resiliency hazards, hazard awareness and recovery
    - Seismic design
    - Tsunamis
- Bridge condition assessment, bridge inspection, tunnel inspection, non-destructive testing
    - Use of Unmanned Aerial Systems (UAS) for bridge inspection
- Long Term Bridge Performance Program (FHWA)
- Bridge Information Management
    - interoperability
    - 3D modeling standards
    - BIM technologies
- Autonomous vehicles – implications for bridge specifications
- Bridge performance measures
- Accelerated Bridge Delivery, Accelerated Bridge Construction
    - streamlining materials testing procedures
    - materials supporting accelerated construction
- Oversize/overweight vehicles
- Workforce development, training, mentoring, succession planning

Example Collaborations

- **Design** – scour protection (Design Technical Committee on Hydrology and Hydraulics)
- **Materials and Pavements, Construction** – LRFD Construction Specifications
- **Materials and Pavements** - guidance on how to consider the uncertainties in soil and rock properties for design of foundations and walls
- **Transportation System Security and Resilience** – bridge security guidelines, seismic design of non-conventional bridges, guidelines for tsunami loading of bridges, scope of T-1 Bridge Security
- **Freight** – oversize/overweight vehicle regulations, emergency response
- **Aviation** - deployment of small unmanned aerial systems in bridge inspection
- **Maintenance** – *Guidelines for Maintaining Small Movement Bridge Expansion Joints*

Related AASHTO TSPs/Centers of Excellence

- AASHTOWare
- LRFD Bridges and Structures Specifications Maintenance
- Transportation System Preservation Technical Service Program (TSP2)
- Transportation Curriculum Coordination Council (TC3)

External Partners/Stakeholders

- FHWA
- American Welding Society (AWS)
- National Concrete Bridge Council (NCBC)

Links

- Bridges and Structures Committee Charter 2018
- Bridges and Structures Strategic Plan 2018 Approved
- Committee on Bridges and Structures Webpage

Committee on Traffic Engineering (CTE)

Purpose

The Committee on Traffic Engineering shall investigate, assess, report on, and develop recommendations on all aspects of traffic engineering, including:

- the effectiveness of new and existing traffic control practices and devices in terms of context, cost, and public safety;
- advancements and innovations in methods and equipment that reduce costs, lower energy consumption, improve motorist guidance, and reduce crashes; and
- the standards and guidelines contained in the Manual on Uniform Traffic Control Devices (MUTCD) and other technical documents.

The committee shall be responsive to both internal and external stakeholders to advance the practice of traffic engineering through research, experimentation, and implementation to balance the safety and mobility needs of all users efficiently, equitably, and in a context sensitive manner.

As part of the committee's charge, eight delegates and eight alternates selected from the Member Departments for their experience and knowledge of traffic control devices shall participate as AASHTO's representatives on the National Committee on Uniform Traffic Control Devices.

Topical Subgroups

- MUTCD Subcommittee
- CV/AC Subcommittee
- Public Right of Way Advisory Group Subcommittee
- Roadway Lighting Joint Technical Committee (participant)
- CAV Expert Task Force (participant)
- Safety Performance Measures Task Force
- Intersection Control Evaluation (ICE) Task Force
- Pedestrian Task Force

Substantive Topics

- Connected/Autonomous Vehicles – implications for traffic engineering
- Pedestrian and bicycle access
- Accessibility for user groups with disabilities
    - Public Rights of Way Accessibility Guidelines
- Design of public transit facilities on highways and streets
- Roadway lighting design
- Traffic control devices

    - rectangular rapid-flashing beacons (RRFB)
    - variable speed limits
    - traffic asset management
    - traffic signals – timing, adaptive signal control
    - MUTCD
    - Guide signs
    - traffic sign fonts
- Data
    - big data applications for traffic engineering
- Future changes impacting traffic engineering
    - Road user demographics and behavior
    - Vehicle characteristics
    - ITS technology
    - Complete Streets, Livable Communities, Road Diets
    - Advertising messages on highways
    - Planning and design decisions – horizontal alignment, access management, pavement design
- Traffic regulations
    - Flashing yellow and red arrow traffic signal indications
    - Pedestrian countdown signal indications
    - Rectangular rapid-flashing beacons
    - Implementation of automated/autonomous vehicles

Example Collaborations

- **Transportation System Operations** – understanding the state of the practice and implications for CAVs (via the CAV Expert Task Force), identify and respond to CAV implementation issues and promote best practices related to traffic engineering
- **Active Transportation, Design** – pedestrian and bicycle facility design, accessibility guidelines for user groups with disabilities (via the Non-Motorized Transportation Joint Technical Committee)
- **Safety** – guidelines for use of variable speed limits, support Safe Systems approach and Speed Management, with focus and discussion of challenges and performance metrics
- **Transportation System Operations, Safety** - identify and improve traffic signal control strategies, particularly as it relates to vulnerable users and TSMO
- **Planning** – asset management practices
- **Design** – highway lighting design (with Roadway Lighting Joint Technical Committee)
- **Data Management and Analytics** – guidance for using big data (with Safety Performance Measures Task Force, Work Zone Task Force)

Related AASHTO TSPs/Centers of Excellence

- National Operations Center of Excellence (NOCoE)

External Partners/Stakeholders

- National Committee on Uniform Traffic Control Devices (NCUTCD)

- Eastern Transportation Coalition
- Institute of Transportation Engineers (ITE)

Links

- Traffic Engineering Committee Charter 2018
- Traffic Engineering Strategic Plan 2018 Approved
- Committee on Traffic Engineering Webpage

Committee on Right of Way, Utilities and Outdoor Advertising Control (CRUOAC)

Purpose

The Committee on Right of Way, Utilities, and Outdoor Advertising Control shall provide a forum for collaboration among the member departments for the exchange of information, experience, innovation, best practices, training, and research to improve the quality and efficiency of right-of-way, utility, and outdoor advertising control operating practices. The committee shall review and recommend changes to laws, rules, regulations, and procedures pertaining to public acquisition and management of real property for transportation related purposes; the placement of utilities on highway rights-of-way; and the effective regulatory control of outdoor advertising in accordance with the provisions of the Federal Highway Beautification Act.

Topical Subgroups

- Right of Way Technical Subcommittee
    - Right-of-Way Appraisal, Appraisal Review, and Relocation Technical Council
    - Right-of-Way Acquisition and Program Management Technical Council
    - Right-of-Way Property Management Technical Council
    - Right-of-Way Engineering Technical Council
- Utilities Technical Subcommittee
    - Utility Mapping, GIS, and SUE Technical Council
    - Utility Project Scoping and Coordination Technical Council
    - Utility Accommodation and Safety Technical Council
- Outdoor Advertising Control Technical Subcommittee
    - Outdoor Advertising Control Operations Technical Council
    - Outdoor Advertising Control Policy Technical Council

Substantive Topics

- Sharing Freeway and Highway Rights-of-Way for Telecommunications – fiber valuation, wireless/5G requests
- Valuation of surplus property
- Electronic signature processes for acquisitions
- Outdoor advertising control
- Roadside signs – electronic and static
- Relocation and the homeless (environmental justice issue)
- Property inventory/data management

- Workforce development, recruitment

Example Collaborations

- **Transportation Policy Forum** – review proposed bills/policies

Related AASHTO TSPs/Centers of Excellence

- None

External Partners/Stakeholders

- National Association of State Aviation Officials (NASAO)
- International Right of Way Association (IRWA)

Links

- Right of Way Utilities Outdoor Advertising Control Committee Charter 2018
- Right of Way Utilities Outdoor Advertising Control Strategic Plan 2018 Approved
- Committee on Right of Way, Utilities and Outdoor Advertising Control Webpage

Committee on Materials and Pavements (COMP)

Purpose

The Committee on Materials and Pavements shall provide a forum for the development and exchange of information related to materials testing, specification, and performance; and pavement design, testing, and management. The committee shall develop and maintain: technical specifications for materials used in the construction and maintenance of all transportation facilities including highways, bridges, and structures; guides, policies, and standards for the quality, design, rehabilitation, testing, and management of pavements; specifications for standard methods of sampling and testing such materials and other items incident to construction, maintenance, operation, and quality of such facilities; and information on the performance of special products evaluated by member departments. The committee shall also oversee the operation of AASHTO re:source and, where appropriate, promote the use of new materials and develop and recommend methods of testing for such materials.

Topical Subgroups

- 1a – Soil and Unbound Recycled Materials Technical Subcommittee
- 1b – Geotechnical Exploration, Instrumentation, Stabilization and Field Testing Technical Subcommittee
- 1c – Aggregates Technical Subcommittee
- 2a – Emulsified Asphalts Technical Subcommittee
- 2b – Liquid Asphalt Technical Subcommittee
- 2c – Asphalt-Aggregate Mixtures Technical Subcommittee
- 2d – Proportioning of Asphalt-Aggregate Mixtures Technical Subcommittee
- 3a – Hydraulic Cement and Lime Technical Subcommittee
- 3b – Fresh Concrete Technical Subcommittee
- 3c – Hardened Concrete Technical Subcommittee
- 4a – Concrete Drainage Structures Technical Subcommittee
- 4b – Flexible and Metallic Pipe Technical Subcommittee

- 4c – Markings and Coatings Technical Subcommittee
- 4d – Safety Devices Technical Subcommittee
- 4e – Joint, Bearings, and Geosynthetics Technical Subcommittee
- 4f – Metals Technical Subcommittee
- 4g – Geosynthetics and Erosion Control Devices Technical Subcommittee
- 5a – Pavement Measurement and Performance Measures Technical Subcommittee
- 5b – Bridge and Pavement Preservation Technical Subcommittee
- 5c – Quality Assurance and Environmental Technical Subcommittee
- 5d – Pavement Design Technical Subcommittee

Substantive Topics

- Materials standards
- Materials testing best practices
- Pavement design

Example Collaborations

- **Data Management and Analytics –** balloting of a Materials Data Management Standard
- **Construction, Maintenance** – materials standards, MOU for pavement preservation standards
- **Highways and Streets** – standards, design guides, research and policy

Related AASHTO TSPs/Centers of Excellence

- AASHTO re:source
- AASHTO Product Evaluation List (APEL)
- Development of AASHTO Materials Standards (DAMS)
- National Transportation Product Evaluation Program (NTPEP)
- AASHTOWare
- Transportation Curriculum Coordination Council (TC3)
- Transportation System Preservation Technical Service Program (TSP2)
- AASHTO Innovation Initiative

External Partners/Stakeholders

- ASTM International - The Cement and Concrete Reference Laboratory (CCRL)
- FHWA - LTPP InfoPave TM (Long-Term Pavement Performance)

Links

- Materials and Pavements Committee Charter 2018
- Materials and Pavements Strategic Plan 2018 Approved
- Committee on Materials and Pavements Webpage

Committee on Construction (COC)

Purpose

The Committee on Construction shall provide a forum for collaboration among the member departments for the exchange of information, experience, innovation, best practices, training, and

research to improve safety in work zones, improve customer service and collaboration, promote quality, advocate for environmentally responsible construction projects, encourage technology driven improvements to business practices, develop and empower our work force to be successful, promote best practices for the administration of all construction contracts and utilize construction efficiency and cost effectiveness. To accomplish these goals, the committee shall:

- Convene an annual conference
- Conduct technical sharing through surveys, webinars, and calls
- Produce deliverables including, but not limited to, guidance documents, Manuals of Best Practice, specifications, identification of developing trends, research proposals, and policy recommendations.

Topical Subgroups

- Contract Administration Technical Subcommittee
- Integrated Construction Technologies Technical Subcommittee
- Safety, Environment, and Workforce Development Technical Subcommittee
- Roadways and Structures Technical Subcommittee
- Alternative Project Delivery Methods Joint Technical Committee (participant)
- Electronic Engineering Standards Joint Technical Committee (participant)
- Joint Subcommittee on Work Zones (participant)

Substantive Topics

- Alternative/innovative contracting methods and technology
- Project delivery metrics
- Performance-based contracting specifications
- Local and regional standardization of materials and design details
- Construction management technology, e-construction
- Transparency – sharing construction status information
- Sustainable construction, environmental stewardship
- Bid-ability and constructability of contract documents
- Collaborative design and plan development
- Work zone safety
- Work zone mobility, transportation management plans
- Workforce development, preparing for the workforce of tomorrow

Example Collaborations

- **Materials and Pavements** - update Guide Specifications for Highway Construction
- **Bridges and Structures –** accelerated construction
- **Design –** 3D engineered models
- **Safety, Maintenance, Highways and Streets, Active Transportation –** work zone safety
- **Maintenance, Design, Materials and Pavements –** pavement preservation standards based on new technologies

Related AASHTO TSPs/Centers of Excellence

- AASHTOWare
- Center for Environmental Excellence
- Transportation Curriculum Coordination Council (TC3)
- Transportation System Preservation Technical Service Program (TSP2)

External Partners/Stakeholders

- Design-Build Institute of America (DBIA)
- Associated General Contractors of America (AGC)
- American Road and Transportation Builders Association (ARTBA)

Links

- Construction Committee Charter 2018
- Construction Strategic Plan 2018 Approved
- Committee on Construction Webpage

Committee on Maintenance (COM)

Purpose

The Maintenance Committee develops, maintains, and disseminates appropriate information through guidelines, manuals, specifications, and other resources, to address the maintenance, preservation, and operation of all classes of highways and categories of assets that are under the jurisdiction of the member departments. This information covers areas such as bridges, equipment, pavements, roadways, roadsides, maintenance operations, and winter maintenance. The committee shall also promote improved management practices related to maintenance, preservation and operation; protect and enhance the quality of the environment; and foster collaboration and cooperative efforts with other AASHTO communities to accomplish these goals.

Topical Subgroups

- Pavement Technical Working Group
- Bridge Technical Working Group
- Roadway/Roadside Technical Working Group
- Equipment Technical Working Group
- Maintenance Operations Technical Working Group
    - Snow and Ice Community of Practice
- Joint Subcommittee on Work Zones (participant)
- Joint Technical Committee on Electronic Engineering Standards (participant)

Substantive Topics

- Safety – work zone, workforce, equipment, public
- Asset Management – maintenance performance management, system preservation, accountability and transparency
    - Capturing geo-referenced damage assessments
    - Procurement of non-destructive testing and evaluation for concrete bridge components

    - Bridge preservation and maintenance
- Environmental stewardship and compliance – climate change mitigation and adaptation, life cycle assessment, ecosystems (invasive and endangered species), sustainability in maintenance operations and materials
- Workforce development – training, succession management, knowledge management
- Communication – value and role of maintenance
- Technology – technology adaptation to maintenance; maintenance adaptation to technology
- Winter maintenance, road weather management
- Drones (Unmanned Aerial Systems)
- People who are Homeless and Rights of Way

Example Collaborations

- **Transportation System Operations** – Traffic Incident Management, CAV for work zone safety, COP on Road Weather Management
- **Transportation System Operations, Safety** - Support use of CAVs to enhance work zone safety
- **Safety** – quantifying safety impacts of pavement preservation, safety and reliability of bridge preservation practices, support CAV-related activities
- **Performance Based Management** – Risk Management Technical Subcommittee – quantifying contribution of pavement maintenance/preservation to risk-based asset management programs
- **Bridges and Structures** – participate in TSP2 National Bridge Management System working group, support FHWA bridge ETG, promote bridge management training
- **Performance-Based Management, Bridges and Structures –** support implementation of FHWA rules for pavement and bridge performance management and asset management systems
- **Environment –** sustainable practices for bridge maintenance and preservation activities
- **Bridges and Structures, Transportation System Security and Resilience –** protecting bridge approaches during flooding events (research statement), implementation of prior NCHRP research
- **Strategic Management – CAV Expert Task Force** – CAVs for work zone safety and for effective use and safe operation of maintenance equipment
- **Aviation** – peer exchange on use of drones, use of UAS for bridge element-level inspections (research statement)
- **Communications** – communicating bridge condition information to the media
- **Construction** – work zones and safety

Related AASHTO TSPs/Centers of Excellence

- Transportation System Preservation TSP (TSP2)
- Equipment Management TSP (EMTSP)
- Winter Maintenance TSP/Snow and Ice Pooled Fund Cooperative Program (SICOP)
- Transportation Curriculum Coordination Council (TC3)
- Transportation System Preservation Technical Service Program (TSP2)
- AASHTO Center for Environmental Excellence (CEE)

- AASHTO Innovation Initiative

External Partners/Stakeholders

- NA

Links

- Maintenance Committee Charter 2018
- Maintenance Strategic Plan 2018 Approved
- Committee on Maintenance Webpage

Committee on Transportation System Operations (CTSO)

Purpose

The Committee on Transportation System Operations focuses on transportation system operations and associated ITS and emerging technology with a goal of improving safety, system reliability, and highway system performance. This committee strives to transform the national transportation community to a transportation systems management and operations (TSMO) culture and guides the National Operations Center of Excellence and the AASHTO Operations Technical Service Program, in collaboration with the Institute of Transportation Engineers (ITE) and the Intelligent Transportation Society of America (ITS America). The CTSO provides leadership for AASHTO with regard to highway transport and commercial vehicle safety, size and weight issues, and coordinates with the commercial vehicle industry and its representative associations regarding vehicle design, standards, and practices associated with commercial motor vehicle operations. The committee serves as a depository of technical information, solutions, and advice on transportation-related communication systems and equipment, including connected and automated vehicle (CAV) integration, operations-related cyber security, protecting sufficient communication spectrum to meet the needs of the member departments, and representing the interests of AASHTO and its member departments in proceedings before Federal agencies on telecommunications matters.

Topical Subgroups

- Operations Subcommittee
    - Operations Strategies Working Group
    - Operations Implementation Working Group
    - Traffic Incident Management Working Group
- Freight Operations Subcommittee
- Technology Subcommittee
    - Communications Technology Working Group
    - Connected and Automated Vehicles Working Group (lead)
    - ITS Working Group
- Joint Subcommittee on Emerging Technology and System Performance (with Performance-Based Management)
- Joint Subcommittee on System Mobility and Emerging Technologies
- Shared Mobility/Mobility as a Service/Mobility on Demand Inter-Committee Working Group (participant)
- Joint Subcommittee on Work Zones (participant)

- Unmanned Aerial Systems and Urban Air Mobility (UAS/UAM) Working Group (participant)
- Road Weather Management Community of Practice
- Community of Practice on Traveler Information (new 2022)

Substantive Topics

- Mainstreaming of operations
- Operations workforce development
- Traffic Incident Management – best practices, performance measures, bridge strikes
- Truck freight movement efficiency and safety – federal policy, commercial vehicle design/standards, emerging technology deployment, parking, during emergencies
- Connected and automated vehicle (CAV) technology and deployment
    - Differential GPS (DGPS) accuracy, Radio Technical Commission for Maritime Services (RTCM)
    - DOT implementation
- Work zones, Work Zone Data Initiative (WZDI)
- USDOT Security Credential Management System (SCMS)
- Intelligent Transportation Systems (ITS) design standards and guidelines, V2I
- Signal Phasing and Timing (SpaT)
- Operations data integration, interoperability, cybersecurity
- Operations performance management – and supporting data and analytics, MAP-21 operations performance management compliance
- Communication technologies
    - Land Mobile Radio (LMR), Dedicated Short-Range Communications (DSRC), First Responder Network Authority (FirstNET)
    - Public safety frequency coordination
    - Deployment of communication infrastructure in public rights of way
    - Rural broadband development through transportation projects
    - 4.9 GHz spectrum changes
- Road weather management
    - Diversity, equity and inclusion in CTSO policy

Example Collaborations

- **Right of Way, Utilities and Outdoor Advertising** – use of DOT right-of way and property for communication infrastructure development (nano-cell – 5G, or FirstNet) by private industry.
- **Human Resources, Administration** – operations workforce recruiting, retention, training
- **Safety, Traffic Engineering, Design, Construction** – work zones (Task Force on Work Zones
- **Safety, Transportation System Security and Resilience** – freight movement safety
- **Performance-Based Management –** development of operational performance measures, asset management and operations guidance

Related AASHTO TSPs/Centers of Excellence

- National Operations Center of Excellence (NOCoE)
- Frequency Coordination Program (FCP)

- Snow and Ice Cooperative Program (SICOP)
- Operations TSP2 (Anticipated)

External Partners/Stakeholders

- American Association of Motor Vehicle Administrators (AAMVA)
- American Traffic Safety Services Association (ATSSA)
- FirstNet Public Safety Advisory Committee (PSAC)
- Infrastructure Owner-Operator/Original Equipment Manufacturer (IOO/OEM) Forum
- International Association of Chiefs of Policy (IACP) Highway Safety Committee
- ITS America (ITSA)
- Land Mobile Communications Council (LMCC)
- National Public Safety Telecommunications Council (NPSTC) Governing Board
- Public Safety Communications Council (PSCC)
- Telecommunications Industry Association (TIA) P25 Steering Committee
- TRB Regional Transportation System Management and Operations (RTSMO) Committee, and its TIM Subcommittee
- US Department of Homeland Security SAFECOM
- USDOT, FHWA

Links

- Transportation System Operations Committee Charter 2018
- Transportation System Operations Strategic Plan 2018 Approved
- Committee on Transportation System Operations Website

Enterprise/Cross-Discipline Committees

Committee on Safety (COS)

Purpose

The Committee on Safety shall focus on the advancement of multidisciplinary approaches to eliminating crashes, particularly those resulting in traffic fatalities and serious injuries. Working toward a goal of zero fatalities, the Committee's scope will include all public roads in the United States, and locations where roads intersect with other modes of travel. The Committee shall serve as the technical and policy resource on transportation systems safety for AASHTO and, in this role, will coordinate with other AASHTO committees and support member departments' safety performance initiatives. The AASHTO Strategic Highway Safety Plan shall guide the activities of the Committee on Safety. Members should come from both policy and technical levels within the member departments, and will represent the multidisciplinary approach to safety performance, including experience in engineering, enforcement, education, emergency medical service or incident response, and the use data-driven safety evaluation, analysis and diagnosis to identify and address the need to reduce crashes. The Committee will address safety for all road and facility users and primary focus areas will be strategic safety planning, programs and policies, effective countermeasures, safety performance and data analysis and evaluation,

workforce development, research, and local road safety. The Committee will coordinate with other AASHTO committees and external organizations on issues of joint interest, such as workforce development, data, and operations. The main functions of the committee will include recommendations on policies and procedures affecting safety performance, dissemination of safety knowledge, identifying research needs to enhance the science of safety, exchange of information on current national, state and local practices, and the implementation of new strategies, practices, and research results. Key themes of committee discussions and initiatives will include innovation and technology, performance measures, safety culture, and multidisciplinary partnerships that accelerate progress toward goals. The Committee intends to address safety issues on non-highway modes as needed, and may establish subcommittees to focus on these modes.

Other areas of joint interest and coordination opportunities with other AASHTO committees include research and asset management as well as emerging technologies, and how all can tie into the Committee's focus on reducing fatalities.

Topical Subgroups

- Towards Zero Deaths Subcommittee
- Safety Data and Performance Management Subcommittee
- Safety Analysis and Evaluation Subcommittee
- Local Road Safety Subcommittee
- Joint Subcommittee on Work Zones
- Highway Safety Manual 2nd Edition Steering Committee
- Connected and Automated Vehicles Working Group (participant)
- Shared Mobility/Mobility as a Service/Mobility on Demand Inter-Committee Working Group (participant)
- AASHTO Local Programs Peer Exchange (LPPE) (participant)

Substantive Topics

- Towards Zero Deaths implementation, safety culture
- Safety performance measures, targets and management systems; supporting data governance, integration and management efforts
- Safety analytical tools
- Performance-based practical design
- Impacts of new technologies and business models on all transportation modes including consideration of bicyclists and pedestrians as art of planning and funding transportation infrastructure
    - CAV, electric bicycles, bike share, Mobility as a Service, smart phone apps, drones
- Local Road Safety Plans
- Safety workforce development – training, retention, knowledge management, succession

Example Collaborations

- **Planning, Transportation System Operations** – impacts of new technologies and business models

- **Communications** – safety communications, sharing local road safety practices
- **Highways and Streets, Active Transportation** – data-driven safety analysis, implementation of Highway Safety Manual
- **Planning, Performance-Based Management, Data Management and Analytics** – use of safety data and modeling in planning and performance management
- **TC3, Knowledge Management** – identify and develop training course

Related AASHTO TSPs/Centers of Excellence

- AASHTOWare
- Highway Safety Policy and Management Technical Service Program
- Transportation Curriculum Coordination Council (TC3)

External Partners/Stakeholders

- American Association of Motor Vehicle Administrators (AAMVA)
- American Public Works Association (APWA)
- American Traffic Safety Services Association (ATSSA)
- Commercial Vehicle Safety Alliance (CVSA)
- Department of Defense (DOD)
- Federal Highway Administration (FHWA)
- Federal Motor Carrier Safety Administration (FMCSA)
- Governor's Highway Safety Association (GHSA)
- International Association of Chiefs of Police (IACP)
- National Association of Counties – NACo
- National Association of County Engineers – NACE
- National Association of State Emergency Medical Service Officials (NASEMSO) (L)
- National Center for Rural Road Safety
- National Highway Traffic Safety Administration (NHTSA)
- National Local and Tribal Technical Assistance Program (NLTAPA)
- National Transportation Safety Board (NTSB)
- National Transportation Training Directors
- Roadway Safety Foundation

Links

- Safety Committee Charter 2018
- Safety Strategic Plan 2018 Approved
- Committee on Safety Webpage

Committee on Transportation Communications (TransComm)

Purpose

The committee shall promote excellence in communications among communications practitioners, within the AASHTO committee structure, and within the broader transportation community through the exchange of ideas, best practices and educational programming.

The committee will provide collaborative expertise when a coordinated communications response at the national or regional level is required.

Topical Subgroups

- None

Substantive Topics

- DOT communication and public engagement
- Equity and inclusion in public communications
- Communication ethics in DOT business practices
- Communicating value of transportation, role of transportation departments
- Support for reauthorization, storytelling
- Professional development
- Recruitment

Example Collaborations

- **Transportation Policy Forum** – transportation messaging: improving quality of life

Related AASHTO TSPs/Centers of Excellence

- None

External Partners/Stakeholders

- NA

Links

- Communications Committee Charter 2018
- Communications Strategic Plan 2018 Approved
- Committee on Communications Webpage

Committee on Transportation System Security and Resilience (CTSSR)

Purpose

The Committee on Transportation System Security and Resilience shall cover preparation for and response to both natural and human-made threats, shocks and stressors to the transportation system. The Committee will coordinate national efforts, identify best practices, and fill research gaps to promote resilient and secure transportation systems across the country. The Committee will provide a forum for members to advance state-of-the-practice and awareness of transportation infrastructure security and resilience through training, technical assistance, and the exchange of information and best practices. The Committee will work to shape and implement national policy affecting transportation infrastructure protection and resilience and track emerging federal policies on these topics. The Committee will also rely on the cross-disciplinary membership of the Committee—which highlights the interdependencies of emergency management, planning, design, environment, maintenance, and operations in the resilience cycle—to oversee the development of technical expertise and tools for state DOTs to perform risk-based

identification of potential impacts, plan for system adaptation needs, and prepare for response and recovery of impacted transportation systems.

Topical Subgroups

- Unmanned Aerial Systems and Urban Air Mobility (UAS/UAM) Working Group (participant)
- Risk and Resilience Planning Working Group

Substantive Topics

- Transportation system resilience - interdependencies of emergency management, planning, design, environment, maintenance, and operations
- Emergency management
- Resiliency and security planning
- Climate change mitigation/adaptation, extreme weather
- Risk assessment

Example Collaborations

- **Transportation Communications** – communicating the resilience lifecycle concept within transportation development and delivery
- **Transportation Policy Forum** – security and resilience policy areas

Related AASHTO TSPs/Centers of Excellence

- Resilient and Sustainable Transportation Systems Technical Service Program
- Snow and Ice Cooperative Program (SICOP)
- National Operations Center of Excellence (NOCoE)

External Partners/Stakeholders

- USDOT – all modal administrations

Links

- Transportation System Security and Resilience Committee Charter 2018
- Transportation System Security and Resilience Strategic Plan 2018 Approved
- Committee on Transportation System Security and Resilience Webpage

Committee on Performance-Based Management (CPBM)

Purpose

Performance management is the process of accountability and effectiveness that is measured against established goals or targets. Performance management helps guide state DOTs in critical decision making from planning through systems operations, including the agency's own organizational performance. The Committee on Performance-Based Management addresses all aspects of performance management including asset, organizational, risk, and system performance management as it relates to federal regulations, current industry practices, and emerging approaches and concepts. The Committee on Performance-Based Management is dedicated to providing STAs the expertise and resources to support and help enhance performance and data-driven management practices and decision making and to create a results-driven environment that will promote organizational and system excellence. The

Committee on Performance Based-Management will provide and communicate technical services and information; develop policy guidance and recommendations; facilitate communication practices; and support the professional development and capacity building of its members and others.

Topical Subgroups

- Asset Management Technical Subcommittee
- Organizational Management Technical Subcommittee
- Risk Management Technical Subcommittee
- Task Force on Emerging Performance Areas
- Risk and Resilience Planning Working Group (with Committee on Transportation Security and Resilience)
- Joint Subcommittee on System Mobility and Emerging Technologies (with Committee on Transportation System Management and Operations)
- Professional Development Work Group

Substantive Topics

- Transportation performance management, system performance management
- Organizational performance management
- Enterprise risk management
- Asset management
- Data-driven decision making
- Accountability, communications practices
- Data collection and analysis
- Workforce development

Example Collaborations

- NA

Related AASHTO TSPs/Centers of Excellence

- Transportation Performance Management Technical Service Program
- AASHTOWare
- Snow and Ice Cooperative Program (SICOP)
- Transportation System Preservation Technical Service Program (TSP2)

External Partners/Stakeholders

- USDOT
- FHWA

Links

- Performance Based Management Committee Charter 2018
- Performance Based Management Strategic Plan 2018 Approved
- Committee on Performance-Based Management Webpage

Committee on Data Management and Analytics (CDMA)

Purpose

The Committee on Data Management and Analytics shall address the collection, procurement, processing, analysis, reporting, and sharing of transportation data. The Committee on Data Management and Analytics is dedicated to addressing issues related to knowledge, expertise, resources and tools needed by State DOTs to implement a robust data management and analytics program within their agencies.

Topical Subgroups

- Communicating Data Subcommittee
- Professional Development Subcommittee
- Policy Subcommittee
- Outreach and Coordination Subcommittee
- Technical Services Subcommittee
- Cyber Security Community of Practice
- Data Governance Community of Practice
- Connected and Automated Vehicles Working Group (participant)
- Shared Mobility/Mobility as a Service/Mobility on Demand Inter-Committee Working Group (participant)

Substantive Topics

- Data management, data business planning
- Data analytics
- Data and metadata standardization
- Workforce - skill development, recruitment, retention and capacity building

Example Collaborations

- **Administration, Human Resources, Knowledge Management, Civil Rights –** participate in the Joint Task Force on the Impacts of Digitalization
- **Multiple** - understand and meet data and analytics needs of other committees, develop and advance data resources and research priorities, advocate for and support development of data and metadata standardization among member agencies and across AASHTO Committees

Related AASHTO TSPs/Centers of Excellence

- New TSP for Data Management and Analytics approved and under development (2022)
- AASHTOWare

External Partners/Stakeholders

- TRB Data Committees

Links

- Data Management and Analytics Committee Charter 2018

- Data Management and Analytics Strategic Plan 2019 Approved
- Committee on Data Management and Analytics Webpage

Committee on Funding and Finance (CFF)

Purpose

The Committee on Funding and Finance provides expertise and leadership on federal and state transportation funding and finance issues.

Topical Subgroups

- Capacity Building
- Policy and Rulemaking
- Connected and Automated Vehicles Working Group (participant)
- Unmanned Aerial Systems and Urban Air Mobility (UAS/UAM) Working Group (participant)
- Shared Mobility/Mobility as a Service/Mobility on Demand Inter-Committee Working Group (participant)

Substantive Topics

- National transportation funding and finance policy, transportation reauthorization legislation
- Messaging and communications related to funding and finance
- Making the case for transportation investment
- Financial management
- Innovative finance
- Workforce capacity building
- Transportation revenue and investment decision-making that advances equity, diversity, and inclusion (DEI)

Example Collaborations

- **Policy Forum, Research and Innovation, Administration, Communications, Planning** – coordination on funding and finance topics

Related AASHTO TSPs/Centers of Excellence

- NA

External Partners/Stakeholders

- USDOT

Links

- Funding and Finance Committee Charter 2018
- Funding and Finance Strategic Plan 2018 Approved
- Committee on Funding and Finance Webpage

Administration Committees

Agency Administration Managing Committee (AAMC)

Purpose

The Agency Administration Managing Committee shall focus on the internal administration of the member departments, including general administrative topics, workforce development, civil rights, internal and external audit, personnel and human resources issues, as well as the new priority topic of knowledge management. The committee will ballot policies and technical documents developed by the committees that report to it. The Internal and External Audit, Human Resources, Civil Rights, and Knowledge Management committees will report to the Agency Administration Managing Committee.

Topical Subgroups

- Committee on Human Resources
- Committee on Civil Rights
- Committee on Knowledge Management
- Committee on Internal/External Audit
- Equity Task Force
- Subcommittee on Transportation Workforce Management

Substantive Topics

- See entries for member committees

Example Collaborations

- **HR, Knowledge Management, Civil Rights, Data Management and Analytics** –Joint Task Force on Impacts of Digitalization (JTFID)
- **HR, Knowledge Management, Civil Rights, Internal and External Audit –** Subcommittee on Transportation Workforce Management (successor to the JTFID)
- **Data Management and Analytics –** appoint liaison to the Cyber Security CoP
- **Safety, Human Resources –** coordinate on employee safety

Related AASHTO TSPs/Centers of Excellence

- NA

External Partners/Stakeholders

- See entries for member committees

Links

- Agency Administration Managing Committee Charter 2018
- Agency Administration Managing Committee Strategic Plan 2019 Approved
- Agency Administration Managing Committee Webpage

Committee on Human Resources (CHR)

Purpose

The Committee on Human Resources shares, researches, and recommends processes, best practices, and policies that enable the human resource functions of State transportation agencies to continuously become stronger, innovative, and more efficient. This includes evaluating trending issues and considering all human resource issues of concern to Member Departments. Our responsibility is to assemble and disseminate current information and recommendations on these topics which include recruitment and selection, workforce planning and development, employee relations, compensation and benefits, health and safety of all employees, industry innovations and all other emerging topics.

The committee shall collaborate with appropriate AASHTO Committees, Federal agencies, institutions of higher learning, and organizations in the development of human resource activities involving the Member Departments and/or in which the Association may serve as a sponsor, encompassing administrative practices, management techniques, and technical training programs.

It shall identify strategic partnerships with other committees to further the mission of the organization and report to its parent committee on any federal regulatory mandates of national concern. Each Member Department shall be entitled to membership thereon.

Topical Subgroups

- Joint Subcommittee on Work Zones (participant)
- Equity Task Force (participant)
- Subcommittee on Transportation Workforce Management (participant)

Substantive Topics

- Talent management – talent acquisition, onboarding, mentoring, retention, telework, hybrid work environments diversity and inclusion
- Workforce development
- Succession planning
- HR metrics
- Agency resiliency

Example Collaborations

- **Administration, Knowledge Management, Civil Rights, Data Management and Analytics** – participate in Joint Task Force on Impacts of Digitalization
- **Planning** – NCHRP study on transportation planning workforce development
- **Administration, Civil Rights** – NCHRP study on design, construction and maintenance workforce development
- **Administration, Knowledge Management** – domestic scan on strategic workforce management
- **Knowledge Management** – oral history collection research proposal, research proposal on understanding knowledge management in context with human resource management, information technology, data management, workforce development, learning cultures, and organizational development

Related AASHTO TSPs/Centers of Excellence

- Transportation Curriculum Coordination Council (TC3)

External Partners/Stakeholders

- NA

Links

- Human Resources Committee Charter (Amended 2021)
- Human Resources 2022 Action Plan
- Human Resources Strategic Plan 2018 Approved
- Committee on Human Resources Webpage

Committee on Internal and External Audit (CIEA)

Purpose

The committee shall establish audit procedures that are sufficiently flexible for use in each Department, yet standardized enough to achieve uniformity and provide member departments alternative solutions for compliance with audit requirements that also meet their individual needs.

It shall also provide a forum for transportation related internal and external audit organizations to keep abreast of requirements, regulations, procedures and innovative techniques employed by individual states, thus enhancing their efforts to provide a better service to management. It shall identify and report to its parent standing committee on any federal regulatory mandates of national concern. Each Member Department shall be entitled to membership thereon.

To ensure consistency and the best thinking of the Association, the committee shall work cooperatively, as appropriate, with other committees.

The committee may maintain a liaison and share information with the Federal Highway Administration and other agencies and organizations whose practices are of interest to the Member Departments.

Topical Subgroups

- Peer Review Subcommittee
- Internal Audit Guide Subcommittee
- Uniform Audit and Accounting Guide Subcommittee
- Innovative Audit Task Force
- AASHTO-ACEC Audit Community of Practice
- Subcommittee on Transportation Workforce Management (participant)

Substantive Topics

- Auditing standards, methods and requirements
- Auditing quality

Example Collaborations

- NA

Related AASHTO TSPs/Centers of Excellence

- None

External Partners/Stakeholders

- American Council of Engineering Companies (ACEC)
- FHWA

Links

- Internal and External Audit Committee Charter 2018
- Internal and External Audit Strategic Plan 2018 Approved
- Committee on Internal and External Audit Webpage

Committee on Knowledge Management (CKM)

Purpose

The Committee on Knowledge Management shall provide a forum for collaboration among Member Departments for the exchange of information, industry standard practices, experiences, and emerging approaches and concepts related to knowledge management. This includes development of policy, principles, strategies, and guidance used by agencies to plan, create, identify, collect, organize, preserve, disseminate, share, generate, and apply critical Member Departments' tacit and explicit knowledge. The committee will focus on facilitating and promoting strategies and practices necessary for a Member Department to retain, manage, share, and develop relevant knowledge between employees, consultants, contractors and other partners to support the Member Departments' mission, strategic planning and goals, work, innovations, and evolution. The Committee shall also promote the development and implementation of knowledge management within Member Departments. The Committee shall identify and report matters of national interest to the Agency Administration Managing Committee.

Topical Subgroups

- Data Governance Community of Practice
- Subcommittee on Transportation Workforce Management (participant)

Substantive Topics

- Knowledge management best practices – for knowledge capture, transfer, development and use
- Knowledge management metrics
- Information management
- Interrelationships between information technology, human resources, organizational development and knowledge management

Example Collaborations

- **Administration, Human Resources, Civil Rights, Data Management and Analytics** – participate in Joint Task Force on Impacts of Digitalization
- **Data Management and Analytics** – enterprise information governance

- **Data Management and Analytics, Safety, Human Resources, Performance-Based Management** – research collaboration

Related AASHTO TSPs/Centers of Excellence

- TRAC and RIDES Educational Outreach Program

External Partners/Stakeholders

- USDOT – National Transportation Library
- USDOT – National Transportation Knowledge Network
- TRB Committee on Information and Knowledge Management
- TRB Committee on Workforce Development and Organizational Excellence
- TRB Committee on Research Innovation Implementation Management

Links

- Knowledge Management Committee Charter 2018
- Knowledge Management Strategic Plan 2019 Approved
- Committee on Knowledge Management Webpage

Committee on Civil Rights (CCR)

Purpose

The committee shall work cooperatively with the Association's Member Departments and as appropriate, with other committees, agencies, and external organizations to provide equal access and ensure nondiscrimination in all programs and activities involving Federal dollars. This includes researching and evaluating the effectiveness of civil rights programs and reporting findings of issues, as well as sharing any best practices, to Member Departments on programs such as Disadvantaged Business Enterprise, Equal Employment Opportunity, On-The-Job Training, Non-Discrimination (Title VI), Americans with Disabilities Act and Supportive Services.

The Committee on Civil Rights shall make recommendations and render advice to the President and staff of the Association, and to other committees as to courses of action which they may follow to assure compliance with civil rights laws and regulations in their respective areas. The committee shall also establish and maintain outreach efforts to other transportation organizations with similar interests.

The committee shall identify and report to its parent committee on any federal regulatory mandates of national concern.

Topical Subgroups

- Subcommittee on Transportation Workforce Management (participant)

Substantive Topics

- ADA transition plans
- Workforce diversity and inclusion
- DBE program policy
- EEO, OJT, Title VI programs

Example Collaborations

- **Administration** – participate on Equity task force and Transportation Workforce Management Subcommittee, work to achieve DEI goals
- **Administration, Human Resources, Knowledge Management, Data Management and Analytics** – participate in Joint Task Force on Impacts of Digitalization – explore workforce diversity and inclusion issues

Related AASHTO TSPs/Centers of Excellence

- None

External Partners/Stakeholders

- USDOT and modal administrations
- FHWA Civil Rights Office
- Conference of Minority Transportation Officials (COMTO)
- Women's Transportation Seminar (WTS)

Links

- Civil Rights Committee Charter 2018
- Civil Rights Committee Strategic Plan 2019 Approved
- Committee on Civil Rights Webpage

Special Committees

Special Committee on Research and Innovation (SCORI)

Purpose

The Special Committee on Research and Innovation promotes high-value transportation research, technology, and innovation to enhance the safe and efficient movement of people and goods. The committee supports AASHTO member agencies, councils, committees and the transportation community in identifying, conducting, delivering, and facilitating deployment of high-value research results, as well as sharing and encouraging deployment of innovations that address both critical short-term and long-term national needs. The committee also oversees the National Cooperative Highway Research Program to ensure that it produces practical, applied research to address the needs of AASHTO members and the nation, and provides a high return on investment. The committee will champion accelerated implementation of technology, innovations, and improved operating practices among AASHTO member agencies, local agencies, and their industry partners to improve the nation's transportation system.

Topical Subgroups

- Research Advisory Subcommittee
- AASHTO Innovation Initiative Steering Committee

Substantive Topics

- Research deployment and innovation
- Research coordination and partnerships

- Communicating value of research

Example Collaborations

- NA

Related AASHTO TSPs/Centers of Excellence

- AASHTO Innovations Initiative

External Partners/Stakeholders

- State DOT Research Directors

Links

- Research and Innovation Special Committee Charter 2018
- Research and Innovation Strategic Plan 2018 Approved
- Special Committee on Research and Innovation Webpage

Resource #2. Committee Collaboration Clusters

Use the following table to identify your committee's "natural collaborators" – other committees that share many common interests with yours, and with whom your committee has collaborated with in the past. Keep in mind that this is intended to provide a starting point for identifying collaborators – it is not a comprehensive list.

Committee/Council	Natural Collaborators
Active Transportation	• Design • Environment and Sustainability • Highways and Streets • Planning • Safety • Traffic Engineering • Transportation Communications
Aviation	• Environment and Sustainability • Funding and Finance • Materials and Pavement
Highways and Streets	• Active Transportation • Bridges and Structures • Construction • Design • Environment and Sustainability • Funding and Finance • Freight • Performance-Based Management • Safety
Public Transportation	• Funding and Finance • Performance-based Management • Planning • Rail

Committee/Council	Natural Collaborators
Rail	• Freight • Funding and Finance • Planning
Water	• Freight • Funding and Finance • Planning • Rail
Freight	• Environment and Sustainability • Highways and Streets • Rail • Transportation System Operations • Water
Planning	• Active Transportation • Data Management and Analytics • Environment and Sustainability • Freight • Highways and Streets • Performance-Based Management • Public Transportation • Rail • Transportation Communications • Transportation System Operations • Water
Environment and Sustainability	• Active Transportation • Aviation • Construction • Design • Freight • Highways and Streets • Maintenance • Materials and Pavements • Performance-Based Management • Planning

Committee/Council	Natural Collaborators
Design	• Active Transportation • Bridges and Structures • Construction • Environment and Sustainability • Highways and Streets • Materials and Pavements • Right of Way, Utilities, and Outdoor Advertising Control • Safety • Traffic Engineering • Transportation System Security and Resilience
Bridges and Structures	• Construction • Design • Highways and Streets • Maintenance • Materials and Pavements • Performance-Based Management
Traffic Engineering	• Active Transportation • Design • Highways and Streets • Safety • Transportation System Operations
Right of Way, Utilities, and Outdoor Advertising Control	• Construction • Design • Highways and Streets
Materials and Pavements	• Aviation • Bridges and Structures • Construction • Design • Environment and Sustainability • Highways and Streets • Performance-Based Management • Traffic Engineering

Committee/Council	Natural Collaborators
Construction	• Bridges and Structures • Design • Highways and Streets • Maintenance • Materials and Pavements • Performance-Based Management • Right of Way, Utilities, and Outdoor Advertising Control • Safety
Maintenance	• Bridges and Structures • Construction • Environment and Sustainability • Materials and Pavements • Performance-Based Management • Safety • Transportation System Operations
Transportation System Operations	• Performance-Based Management • Traffic Engineering • Transportation System Security and Resilience
Safety	• Active Transportation • Construction • Data Management and Analytics • Design • Highways and Streets • Maintenance • Performance-Based Management • Traffic Engineering • Transportation Communications • Transportation System Operations
Transportation Communications	• Funding and Finance • Highways and Streets • Performance-Based Management
Transportation System Security and Resilience	• Transportation System Operations

Committee/Council	Natural Collaborators
Performance-Based Management	• Data Management and Analytics • Planning
Data Management and Analytics	• Knowledge Management • Performance-Based Management • Planning • Safety
Funding and Finance	• Aviation • Highways and Streets • Planning • Public Transportation • Rail • Research and Innovation • Transportation Communication • Water
Agency Administration	• Civil Rights • Human Resources • Internal and External Audit • Knowledge Management
Human Resources	• Agency Administration • Civil Rights • Data Management and Analytics • Knowledge Management
Internal and External Audit	• Agency Administration
Knowledge Management	• Agency Administration • Data Management and Analytics • Human Resources • Performance-Based Management • Research and Innovation
Civil Rights	• Agency Administration • Human Resources
Research and Innovation	• Knowledge Management

Resource #3. Top Ten Common Interests

The following table shows the top ten topics of common interest to AASHTO committees that were identified based on a review of committee websites, strategic plans and action plans (updated as of Spring 2022). See the AASHTO Common Interest Tool for a more comprehensive list.

Common Interest Topic	Committees/Councils Interested in this Topic	Recent/Current Collaborations
1. Workforce Development and Succession Planning	• Agency Administration Managing Committee • Aviation • Bridges and Structures • Construction (Safety, Environment, and Workforce Development Technical Subcommittee) • Data Management and Analytics • Freight • Funding and Finance • Highways and Streets • Human Resources • Internal and External Audit • Knowledge Management • Maintenance • Materials and Pavements • Performance-Based Management • Planning • Right of Way Utilities and Outdoor Advertising Control • Safety • Transportation Communications • Transportation System Operations	Subcommittee on Transportation Workforce Management

Common Interest Topic	Committees/Councils Interested in this Topic	Recent/Current Collaborations
2. Connected and Automated Vehicles	• Active Transportation • Bridges and Structures • Design • Freight • Funding and Finance • Highways and Streets • Maintenance • Performance-Based Management • Planning • Public Transportation • Right of Way Utilities and Outdoor Advertising Control • Safety • Traffic Engineering (Connected Vehicles/Autonomous Vehicles Subcommittee) • Transportation System Operations (Technology Subcommittee)	CAV Inter-Committee Working Group AASHTO State CAV Community of Practice
3. Drones (Unmanned Aerial Systems)	• Aviation • Bridges and Structures • Construction • Design • Funding and Finance • Highways and Streets • Maintenance • Materials and Pavements • Planning • Right of Way Utilities and Outdoor Advertising Control • Safety • Transportation System Operations • Transportation System Security and Resilience	UAS/AAM Inter-Committee Working Group

Common Interest Topic	Committees/Councils Interested in this Topic	Recent/Current Collaborations
4. Diversity, Equity and Inclusion	• Active Transportation • Agency Administration Managing Committee • Civil Rights • Data Management and Analytics • Environment and Sustainability • Freight • Funding and Finance • Highways and Streets • Human Resources • Knowledge Management • Research and Innovation • Safety • Transportation System Operations (DEI Task Force)	Workforce Management Subcommittee AASHTO DEI Resolution (November 2020)
5. Work Zone Safety	• Active Transportation • Construction (Safety, Environment, and Workforce Development Technical Subcommittee) • Design • Highways and Streets • Maintenance • Materials and Pavements (Safety Devices Technical Subcommittee) • Right of Way Utilities and Outdoor Advertising Control • Safety • Traffic Engineering • Transportation System Operations	Joint Subcommittee on Work Zones

Common Interest Topic	Committees/Councils Interested in this Topic	Recent/Current Collaborations
6. Transportation Performance Measurement and Management	• Active Transportation • Bridges and Structures • Knowledge Management • Maintenance • Materials and Pavements (Pavement Measurement and Performance Measures Technical Subcommittee) • Performance-Based Management • Safety (Data and Performance Management Subcommittee) • System Mobility and Emerging Technologies Joint Subcommittee • Traffic Engineering • Transportation System Operations	Jointly Developed Research: Analysis and Assessment of the National Performance Management Data
7. Project Delivery Streamlining	• Bridges and Structures • Construction • Design (Project Management Technical Committee) • Environment and Sustainability • Highways and Streets • Materials and Pavements • Performance-Based Management (Organizational Management Subcommittee) • Planning • Right of Way Utilities and Outdoor Advertising Control	Joint Technical Committee on Alternative Project Delivery Methods
8. Weather and Climate	• Active Transportation • Bridges and Structures • Environment and Sustainability • Maintenance • Materials and Pavements (Bridge and Pavement Preservation Technical Committee) • Right of Way Utilities and Outdoor Advertising Control • Transportation System Operations • Transportation System Security and Resilience	Center for Environmental Excellence – knowledge sharing Snow and Ice Technical Services Program

Common Interest Topic	Committees/Councils Interested in this Topic	Recent/Current Collaborations
9. Pavement Management	• Active Transportation • Bridge and Pavement Preservation Technical Committee (CMP) • Construction • Maintenance • Materials and Pavements (Pavement Design Technical Subcommittee) • Performance-Based Management (Asset Management Subcommittee, Pavement Measurement and Performance Measures Technical Subcommittee)	AASHTO Committee on Maintenance Administrative Resolution to Establish a Collaborative Review Process for Pavement Preservation Treatment Construction Guidance Specifications
10. Risk Management	• Design • Knowledge Management • Performance-Based Management (Risk Management Subcommittee) • Planning • Safety • Transportation System Operations • Transportation System Security and Resilience	Joint Research/Guidance development: Transportation Asset Risk and Resilience

Resource #4. Catalog of collaboration activities

The following tables provide examples of cross-committee collaborations: joint conferences, joint groups and joint research development efforts.

Joint Conferences

Event	Participating Committees/Councils
Providence, RI (December 2022) Re-Connecting the DOTs for an Adaptable, Agile, and Equitable Future	• Data Management and Analytics • Performance-Based Management • Planning
Charleston, NC (August 2022) Joint Administration Conference	• Agency Administration • Knowledge Management • Civil Rights • Human Resources
Virtual (September/October 2020) Joint Policy Conference	• Active Transportation • Freight • Planning • Transportation System Security and Resilience
Jackson, WY (August 2019) Joint Policy Conference	• Performance-Based Management (Subcommittee on Risk Management) • Transportation System Operations • Transportation System Security and Resilience
Minneapolis, MN (August 2019) Joint Meeting	• Environment and Sustainability • Funding and Finance
Reno, NV (July 2019) Joint Meeting	• Active Transportation • Design
Des Moines, IA (July 2017) Joint Meeting	• Design • Environment and Sustainability
Cincinnati, OH (July 2017) Conference on Performance Based Planning, Financing and Programming	• Funding and Finance • Performance-Based Management • Planning

Joint Groups

Group	Member Committees/Councils
Joint Technical Committee on Alternative Project Delivery Methods	• Bridges and Structures • Construction • Design
Joint Subcommittee on Data Standards (New 2023)	• AASHTOWare • Bridges and Structures • Construction • Data Management and Analytics • Design • Performance-Based Management
Joint Technical Committee on Electronic Engineering Standards	• Bridges and Structures • Construction • Design • Maintenance
Joint Technical Committee on Non-Motorized Transportation	• Active Transportation • Design
Joint Technical Committee on Roadway Lighting	• Design • Traffic Engineering
Joint Subcommittee on System Mobility and Emerging Technologies	• Performance-Based Management • Transportation System Operations
Joint Subcommittee on Work Zones	• Active Transportation • Construction • Design • Freight • Human Resources • Maintenance • Public Transportation • Safety • Traffic Engineering • Transportation System Operations
Subcommittee on Transportation Workforce Management	• Agency Administration • Civil Rights • Human Resources • Knowledge Management • Internal and External Audit

Group	Member Committees/Councils
Equity Task Force	• Agency Administration • Knowledge Management • Civil Rights • Performance-Based Management • Environment and Sustainability • Planning • Transportation Policy Forum
Connected and Automated Vehicles Working Group	• Data Management and Analytics • Funding and Finance • Performance-Based Management • Planning • Public Transportation • Traffic Engineering • Transportation System Operations
Unmanned Aerial Systems and Urban Air Mobility (UAS/UAM) Working Group	• Aviation • Funding and Finance • Highways and Streets • Transportation System Operations • Transportation System Security and Resilience
Shared Mobility/Mobility as a Service/Mobility on Demand Inter-Committee Working Group	• Active Transportation • Data Management and Analytics • Funding and Finance • Highways and Streets • Public Transportation • Safety • Transportation System Operations
Risk and Resilience Planning Working Group	• Performance-Based Management • Transportation System Security and Resilience
Data Governance Community of Practice	• Data Management and Analytics • Knowledge Management
State CAV Community of Practice	• Informal group – sponsored by the Connected and Automated Vehicles Working Group
Cybersecurity Community of Practice	• Data Management and Analytics (sponsor) • Others TBD

Research Collaborations

Problem Statement/Topic	Committees/Councils
Guide for Creating Effective Visualizations (2023)	• Data Management and Analytics • Performance-Based Management • Planning
Transportation Asset Risk and Resilience (2023)	• Performance-Based Management (Risk Subcommittee) • Transportation System Security and Resilience
Valuation of Transportation Equity in Active Transportation and Safety Investments (2023)	• Safety • Active Transportation
Best Practices for Roundabout and Alternative Intersection/Interchange Lighting (2023)	• Design • Traffic Engineering • (Joint Technical Committee on Roadway Lighting)
Analysis and Assessment of the National Performance Management Data (2023)	• Data Management and Analytics • Performance-Based Management • Safety • Transportation System Operations
Freight Analysis Tool for Analyzing and Communicating Uncertainty to Decision makers (2022)	• Freight • Planning
Interstate Information Sharing of State Truck Regulatory Requirements (2022)	• Transportation System Operations (Freight Working Group) • Freight
Improving Freight Origin and Destination (OD) Data to Advance the Capabilities of Freight Forecasting Models (2022)	• Planning • Freight
Environmental Effects of Roadway Lighting on Wildlife (2022)	• Environment and Sustainability • Joint Technical Committee on Roadway Lighting (Design, Traffic Engineering)
Recommended Minimum Qualifications for Transportation Project Quality Management Roles (2022)	• Materials and Pavements • Construction
Enhancement of Roadside Design Features Safety Performance Models for the Highway Safety Manual (2022)	• Design (Technical Committee on Roadside Safety) • Safety
Design Review and 3D Model Quality Management for Model-based Design and Construction (2022)	• Design (Joint Technical Committee on Electronic Engineering Standards) • Bridges and Structures (T-19 Software and Technology Committee)

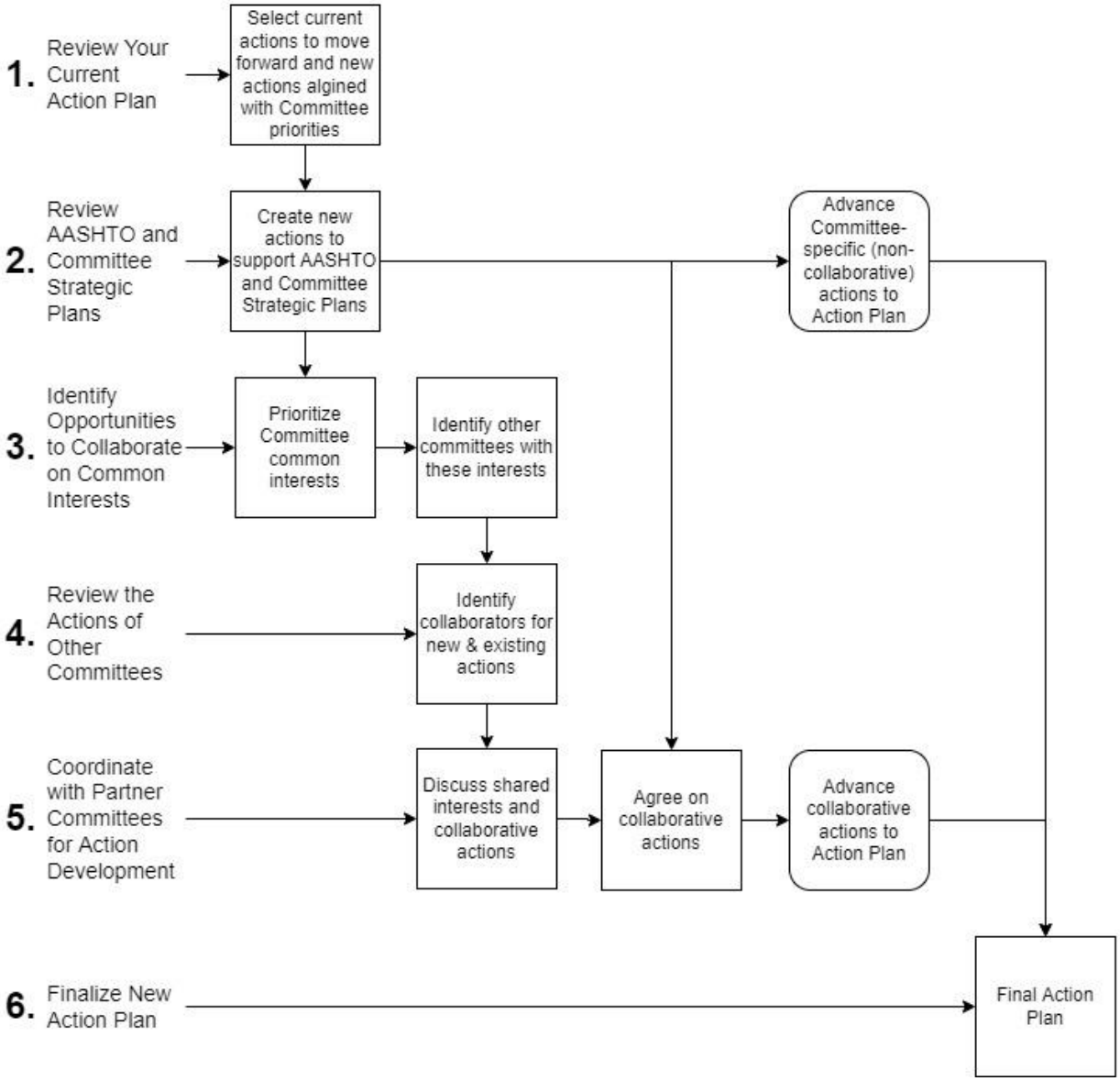
Problem Statement/Topic	Committees/Councils
Develop Crashworthy Hardware Mounted on Median Concrete Barrier to Prevent Unlawful Pedestrian Crossing Without Reducing Sight Distance (2022)	• Highways and Streets • Design
Research Roadmap for Knowledge Management (2021)	• Knowledge Management • Human Resources • Safety
Prioritization of Risks Related to Connected and Automated Vehicles and Emerging Technologies (2021)	• Performance-Based Management • Transportation System Operations
Guidance on Using Performance-Based Management Approaches for Maintenance (2021)	• Maintenance • Performance-Based Management
Methods to Prevent Bridge Strikes by Trucks (2021)	• Traffic Engineering • Bridges and Structures • Maintenance • Transportation System Operations
Guidance for Local Truck Parking Regulations (2021)	• Freight • Planning
State DOT usage of bicycle and pedestrian data: practices, sources, needs, and Gaps (2021)	• Active Transportation • Safety
Development of the 8th Edition of AASHTO's A Policy on the Geometric Design of Highways and Streets ("Green Book") (2021)	• Highways and Streets • Active Transportation
Impact Performance Assessment of Barrier Performance at High Speeds (2020)	• Design • Safety • Traffic Engineering
Secure Information Environments for Collaboration and Knowledge Sharing: Guidance for State DOTs (2020)	• Knowledge Management • Agency Administration • Data Management and Analytics
Developing Cost-Effective Approaches to Site Selection for Wildlife Crossings (2020)	• Environment and Sustainability • Safety • Planning • Traffic Engineering
Guidebook for Identifying and Implementing Forecasting Techniques for Effective Target Setting	• Performance-Based Management (Asset Management Subcommittee) • Planning • Maintenance

Problem Statement/Topic	Committees/Councils
Developing an AASHTO Guide to System Level Asset Valuation in Support of Transportation Asset Management Decision Making (2020)	• Performance-Based Management • Funding and Finance • Maintenance • Planning • Transportation Communications
Evaluating and Improving Current Practices for Temporarily Deterring Bat Use of Bridges (2020)	• Environment and Sustainability • Bridges and Structures • Maintenance
Developing Testing Protocol for a Family of Devices - Signs, Breakaway Poles and Work Zone Devices (2020)	• Design • Safety • Traffic Engineering
Development of a Crash Data Collection Tool for MASH In-Service Performance and Application Guidelines (2020)	• Design • Safety • Traffic Engineering
Crashworthiness of Barrier Attachments (2020)	• Design • Safety • Traffic Engineering
MASH Performance Evaluation of Safety Grates for Culverts (2020)	• Design • Safety • Traffic Engineering
Synthesis of Recent Active Transportation Related Research and Creation of Research Roadmap for Council on Active Transportation	• Highways and Streets • Planning • Safety • Data Management and Analytics

Resource #5: Guidance for the Annual AASHTO Committee Action Planning Process

Use the guidance below to explore collaborative actions with other committees as you update your annual action plan.

Annual AASHTO Committee Action Plan Update Process



1. Review your current action plan

- Use https://dashboard.aashtoplan.com/ to review your committee's action plan for 2021-2022. Go to *View Actions by Committee* and select your committee from the dropdown.

Guiding Questions:

a. Which actions are ongoing or incomplete– which of these still fit with your Committee's priorities and should be moved forward to next year's plan?
b. What new gaps do you see based on the past years' experiences and your Committee's current priorities?

Outcome:

- Select current ongoing or incomplete actions to move forward for your committee's action list.
- Identify potential new actions to fill any gaps you identified.

2. Review the current AASHTO Strategic Plan, AASHTO Presidential Emphasis Areas and your committee's Strategic Plan

- Review the 2021-2026 AASHTO Strategic Plan at https://www.aashtoplan.com/
- Review the Presidential Emphasis Areas at https://www.transportation.org/board-of-directors/aashto-president/
- Use the standard excel template aligning the current actions with current plan elements to visually map your committee's actions to the AASHTO strategic plan.
- Review your committee's Strategic Plan at: https://www.transportation.org/home/organization/aashto-committee-and-council-strategic-plans/

Guiding Questions:

a. Which elements of the AASHTO Strategic Plan and the Presidential Emphasis Areas do you already address? Could you improve your support in these areas?
b. Which elements of your committee's Strategic Plan do you already address? What actions should be added to support these elements?

Outcome:

- Add to your action list any actions that fill the gaps or improve support for the AASHTO Strategic Plan, the Presidential Emphasis Areas and your committee's Strategic Plan

3. Identify opportunities to collaborate on common interests

- Use https://common-committee-interests.herokuapp.com/ to see the common interests between your committee and other AASHTO Committees.

- Select the *Committee View* to review the common interest topics for your committee.
- Select each priority interest of your Committee and note which other AASHTO Committees share this interest. Click on the connector link between the interest topic and the Committee to see the specifics of their interest – or review the action plans of potential partner Committees to better understand their interests

Guiding Questions:

a. Which common interests are a priority for your committee?
b. Which of these priority interests are not currently included in your current action plan?
c. Which other AASHTO Committees share priority interests that you'd like to tackle?
d. Are you currently collaborating with any of these committees?

Outcome:

- Create a list of the top-priority common interests for your committee.
- Identify other AASHTO Committees that are potential collaborators for your identified priority common interests.

4. Review the actions of other committees

- Use https://dashboard.aashtoplan.com/. Go to the *View Actions By Committee* dropdown in the upper right hand corner and select a committee from the list.
- Start by reviewing the existing and potential future partner committees identified in previous steps. Review others if time permits.

Guiding Questions:

a. Do any of the actions of other committees help address gaps in your action plan?
b. Do any of their actions align with actions from your committee?
c. What are the most compelling opportunities to collaborate?

Outcome:

- Document potential collaborators for the new and existing actions.

5. Connect with partner committees to coordinate action development

- Reach out to AASHTO staff liaison(s) or other appropriate contacts for the committees with whom you want to explore collaboration opportunities
- Set up a call with potential partner committees to discuss collaboration ideas

- Follow up with an email summarizing decisions and follow up actions

Guiding Questions:

a. What ideas for collaboration were of interest to both committees?
b. Who will draft descriptions of the collaborative actions?
c. What additional follow-up is needed?
d. Who within each committee will take the lead in ensuring that planned collaboration happens?

Outcome:

- Update your action list with collaborative partnerships and any new actions that arose during the discussion.

6. Develop the final version of your new action plan.

- Review the final set of actions identified for your committee.
- For each action, assign a leader within your committee (this may be a specific member, role, subcommittee, or working group), denote which committees with whom you will coordinate, set your desired completion date, and flag the action if it is a committee priority.
- Try to make your actions measurable and well-defined – ask yourself the question: "will I be able to tell when this action is accomplished?"
- Note: some committees keep their actions fairly general to leave room for flexibility in execution. In this case, maintain a separate list of specific collaboration actions you have identified so that you can keep it on your radar.

Guiding Questions:

a. Who will lead and monitor the implementation of your action plan?
b. When should each action be completed?
c. Which actions are a top priority for your committee?
d. How will you measure the success of your action plan?

Outcome:

- Final action plan providing a clear understanding of what, who, how, and when which will allow for its successful implementation.