

# New TRB Technical Activities Volunteer Structure

December 2019  
(Revised May 2021)

## Technical Activities Council (A0000)

### Coordinating Councils

Young Members (A0010C)  
International (A0020C)  
City Transportation Issues (A0030C)  
Rural Transportation Issues (A0040C)

### Safety and Operations Group (AC000)

#### *Section – Pedestrians, Bicycles, Human Factors (ACH00)*

Pedestrians (ACH10)  
Bicycle Transportation (ACH20)  
Human Factors of Vehicles (ACH30)  
Human Factors of Infrastructure Design and Operations (ACH40)  
Road User Measurement and Evaluation (ACH50)  
Vehicle User Education, Training, and Licensing (ACH60)

#### *Section – Operations (ACP00)*

Regional Transportation Systems Management and Operations (ACP10)  
Intelligent Transportation Systems (ACP15)  
Freeway Operations (ACP20)  
Traffic Signal Systems (ACP25)  
Vehicle-Highway Automation (ACP30)  
Managed Lanes (ACP35)  
Highway Capacity and Quality of Service (ACP40)  
Traffic Flow Theory and Characteristics (ACP50)  
Traffic Control Devices (ACP55)  
Access Management (ACP60)  
Highway Traffic Monitoring (ACP70)  
Traffic Simulation (ACP80) (new\*)

#### *Section – Safety (ACS00)*

Transportation Safety Management Systems (ACS10)  
Safety Performance Analysis (ACS20)  
Traffic Law Enforcement (ACS30)  
Occupant Protection (ACS40)  
Impairment in Transportation (ACS50)  
Truck and Bus Safety (ACS60)

### Data, Planning, and Analysis Group (AE000)

#### *Section - Data and Data Science (AED00)*

Statewide/National Transportation Data and Information Systems (AED10)  
Urban Transportation Data and Information Systems (AED20)  
Information Systems and Technology (AED30)  
Geographic Information Science (AED40)  
Artificial Intelligence and Advanced Computing Applications (AED50)  
Statistical Methods (AED60)  
Freight Transportation Data (AED70)  
Visualization in Transportation (AED80)

#### *Section - Transportation Planning and Analysis (AEP00)*

Transportation Planning Policy and Processes (AEP10)  
Transportation Planning Analysis and Application (AEP15)  
Transportation Needs of National Parks and Public Lands (AEP20)  
Travel Survey Methods (AEP25)  
Traveler Behavior and Values (AEP30)  
Effects of Information and Communication Technologies (ICT) on Travel Choices (AEP35)  
Transportation Network Modeling (AEP40)  
Transportation Demand Forecasting (AEP50)  
Transportation Demand Management (AEP60)  
Environmental Analysis and Ecology (AEP70)  
Transportation-Related Noise and Vibration (AEP80)

### Policy and Organization Group (AJ000)

#### *Section - Executive Management Issues (AJE00)*

Strategic Management (AJE10)  
Workforce Development and Organizational Excellence (AJE15)  
Performance Management (AJE20)  
Transportation Asset Management (AJE30)  
Research Innovation Implementation Management (AJE35)  
Public Engagement and Communications (AJE40)  
Information and Knowledge Management (AJE45) (new\*)  
Economics and Finance (AJE50)  
Contracting Equity (AJE60)

Data for Decision Making (AJE70) (new\*)

*Section - Legal Resources (AJL00)*

General Law (AJL10)

Transit and Intermodal Transportation Law (AJL20)

Contract Law (AJL30)

Emerging Technology Law (AJL40)

Environmental Issues in Transportation Law (AJL50)

Eminent Domain and Land Use (AJL60)

Tort Liability and Risk Management (AJL70)

**Transportation Infrastructure Group (AK000)**

*Section - Bridges and Structures (AKB00)*

Innovative Highway Structures and Appurtenances (AKB10)

Steel Bridges (AKB20)

Concrete Bridges (AKB30)

Testing and Evaluation of Transportation Structures (AKB40)

Seismic Design and Performance of Bridges (AKB50)

Tunnels and Underground Structures (AKB60)

Culverts, Buried Bridges and Soil Structure Interaction (AKB70)

*Section – Construction (AKC00)*

Construction Management (AKC10)

Project Delivery Methods (AKC20)

Quality Assurance Management (AKC30)

Construction of Bridges and Structures (AKC40)

Concrete Pavement Construction and Rehabilitation (AKC50)

Asphalt Pavement Construction and Rehabilitation (AKC60)

Fabrication and Inspection of Metal Structures (AKC70)

*Section - Design (AKD00)*

Performance Effects of Geometric Design (AKD10)

Roadside Safety Design (AKD20)

Low-Volume Roads (AKD30)

Landscape and Environmental Design (AKD40)

Hydrology, Hydraulics, and Stormwater (AKD50)

Utilities (AKD60)

Geospatial Data Acquisition Technologies (AKD70)

Roundabouts and other Intersection Design and Control Strategies (AKD80)

*Section – Geology and Geotechnical Engineering (AKG00)*

Engineering Geology (AKG10)

Soil and Rock Properties and Site Characterization (AKG20)

Geo-Environmental and Climatic Impacts on Geomaterials (AKG30)

Mechanics and Drainage of Saturated and Unsaturated Geomaterials (AKG40)

Transportation Earthworks (AKG50)

Geotechnical Instrumentation and Modeling (AKG60)

Foundations of Bridges and Other Structures (AKG70)

Geosynthetics (AKG80)

Stabilization of Geomaterials and Recycled Materials (AKG90)

*Section – Materials (AKM00)*

Production and Use of Asphalt (AKM10)

Binders for Flexible Pavement (AKM20)

Asphalt Materials Selection and Mix Design (AKM30)

Asphalt Mixture Evaluation and Performance (AKM40)

Advanced Concrete Materials and Characterization (AKM50)

Properties of Concrete and Constituent Materials (AKM60)

Durability of Concrete (AKM70)

Aggregates (AKM80)

Polymer Concretes, Adhesives, and Sealers (AKM90)

*Section – Pavements (AKP00)*

Pavement Condition Evaluation (AKP10)

Design and Rehabilitation of Concrete Pavements (AKP20)

Design and Rehabilitation of Asphalt Pavements (AKP30)

Pavement Structural Testing and Evaluation (AKP40)

Pavement Surface Properties and Vehicle Interaction (AKP50)

*Section - Highway Maintenance (AKR00)*

Maintenance and Operations Management (AKR10)

Roadside Maintenance Operations (AKR20)

Maintenance Fleet and Equipment (AKR30)

Winter Maintenance (AKR40)

Road Weather (AKR50)

*Section - Infrastructure Management and System Preservation (AKT00)*

Pavement Management Systems (AKT10)

Pavement Preservation (AKT20)

Pavement Maintenance (AKT30)

Structures Maintenance (AKT40)

Bridge and Structures Management (AKT50)

Bridge Preservation (AKT60)

Maintenance Management Systems (AKT70) (new\*)

## **Sustainability and Resilience Group (AM000)**

### *Section – Transportation and Society (AME00)*

- Equity in Transportation (AME10)
- Women and Gender in Transportation (AME20)
- Native American Transportation Issues (AME30)
- Transportation in the Developing Countries (AME40)
- Accessible Transportation and Mobility (AME50)
- Historic and Archeological Preservation in Transportation (AME60)
- Transportation and Public Health (AME70) (new\*)
- Community Resources and Impacts (AME80) (new\*)

### *Section - Transportation Systems Resilience (AMR00)*

- Critical Transportation Infrastructure Protection (AMR10)
- Disaster Response, Emergency Evacuations, and Business Continuity (AMR20)
- Transportation for National Defense (AMR30)
- Systems, Enterprise, and Cyber Resilience (AMR40) (new\*)
- Extreme Weather and Climate Change Adaptation (AMR50) (new\*)

### *Section - Transportation and Sustainability (AMS00)*

- Air Quality and Green House Gas Mitigation (AMS10)
- Resource Conservation and Recovery (AMS20)
- Transportation Energy (AMS30)
- Alternative Fuels and Technologies (AMS40)
- Economic Development and Land Use (AMS50)

## **Public Transportation Group (AP000)**

- Transit Management and Performance (AP010)
- Transit Capacity and Quality of Service (AP015)
- Innovative Public Transportation Services and Technologies (AP020)
- Public Transportation Planning and Development (AP025)
- Public Transportation Marketing and Fare Policy (AP030)
- Passenger Intermodal Facilities (AP045)
- Bus Transit Systems (AP050)
- Rural, Intercity Bus, and Specialized Transportation (AP055)
- Urban Rail Transit Systems (AP065)
- Light Rail Transit (AP075)
- Transit Safety and Security (AP080) (new\*)
- Transit Data (AP090) (new\*)

## **Rail Group (AR000)**

- Passenger Rail Transportation (AR010)

- Rail Rolling Stock and Motive Power (AR020)
- Railroad Operating Technologies (AR030)
- Freight Rail Transportation (AR040)
- Railroad Infrastructure Design and Maintenance (AR050)
- Rail Transit Infrastructure Design and Maintenance (AR060)
- Rail Safety (AR070)
- Highway/Rail Grade Crossings (AR080)

## **Freight Systems Group (AT000)**

- Freight Transportation Economics and Regulation (AT010)
- Freight Transportation Planning and Logistics (AT015)
- International Trade and Transportation (AT020)
- Urban Freight Transportation (AT025)
- Agriculture and Food Transportation (AT030)
- Transportation of Hazardous Materials (AT040)
- Intermodal Freight Transport (AT045)
- Trucking Industry Research (AT060)

## **Aviation Group (AV000)**

- Aviation Administration and Policy (AV010)
- Aviation System Planning (AV020)
- Environmental Issues in Aviation (AV030)
- Aviation Economics and Forecasting (AV040)
- Airport Terminals and Ground Access (AV050)
- Airfield and Airspace Performance (AV060)
- Aircraft/Airport Compatibility (AV070)
- Aviation Safety, Security and Emergency Management (AV090)
- New Users of Shared Airspace (AV095) (new\*)

## **Marine Group (AW000)**

- Ports and Channels (AW010)
- Inland Water Transportation (AW020)
- Marine Environment (AW030)
- Marine Safety and Human Factors (AW040)
- Ferry Transportation (AW050)

## **Subject Matter Subcommittees**

To be determined

## **Administrative Task Forces**

As determined by committees

\*Proposed new committee pending TRB committee creation/approval process.