# New TRB Technical Activities Volunteer Structure
## December 2019
(Revised August 2020)

**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, Revenue, 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.