NCHRP PROGRAM UPDATE

FY 2019 Program
OUTLINE

NCHRP Program Update
Ongoing Research: Active Transportation Topics
Recent and Forthcoming
FY 2019 NCHRP Submitted Problem Statements

111 Problem Statements ($54,709 M)

- New Problem Statements: 95 ($41,339 M)
- Continuations: 16 ($13,370 M)

AASHTO Committees: 54 ($24,039 M)
Member Departments: 39 ($16,100 M)
FHWA: 2 ($1.200 M)
<table>
<thead>
<tr>
<th>AASHTO Committee</th>
<th># Of Problems Submitted</th>
<th># of Problems Programmed</th>
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<tr>
<td>Bridges and Structures</td>
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<tr>
<td>Construction</td>
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<td>Maintenance</td>
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<td>Transportation Systems Management and Operations</td>
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FY2019 PROJECTS

UPCOMING ACTIVE TRANSPORTATION TOPICS

- NCHRP 07-28 Assessing the Impacts of Turn Lanes in Different Contexts and Modal Considerations to Increase Safety Performance
- NCHRP 08-121 Operationalizing Accessibility Metrics to Support Transportation Planning and Performance Management
- NCHRP 22-37 Development of a Barrier Design to Accommodate Vehicles, Pedestrians, and Cyclists
- NCHRP Synthesis Topic 50-10 Availability of Pedestrian Infrastructure Data For Routing and Network Analysis
- NCHRP 20-07/Task 420: Road User Understanding of Bicycle Signal Faces on Traffic Signals
AASHTO COMMITTEE SUPPORT PROJECTS

• In response to the reorganization of AASHTO’s committee structure, as well as requests by other committees for similar dedicated funding, the AASHTO Special Committee on Research and Innovation (R&I) elected to sunset the four committee support projects (25-25, 20-07, 08-36, 20-65)

• Established NCHRP Project 20-123 with $1.5 million allocated for FY2019.

• NCHRP Project 20-123 makes funding available to any AASHTO committee or council that requires support for advancing and implementing the vision, mission, and strategic goals of the committee or council. **These funds are not for the conduct of research.**
AASHTO COMMITTEE SUPPORT PROJECTS

• In addition to *NCHRP Project 20-123*, AASHTO councils and committees can also request funding from:
  – *NCHRP Project 20-44* to facilitate state DOT implementation of NCHRP research; $2 million has been allocated for FY2019.
  – R&I continued their practice of reserving $2 million from the annual NCHRP budget for any time-sensitive, urgent research need that might arise outside of the normal NCHRP funding cycle.

• Taken together, these three funding sources provide $5.5 million to address the specific needs and priorities of AASHTO committees and councils.
ONGOING RESEARCH—ANTICIPATED IN 2018

• Guidelines for Designing Low- and Intermediate-Speed Roadways that Serve All Users (NCHRP 15-48, 2018 Q1)

• Conducting Systemic Pedestrian Safety Analysis (NCHRP Report 893, 2018 Q3)

• Innovative Solutions to Facilitate Accessibility for Airport Travelers with Disabilities (ACRP 01-31, 2018 Q3)

• Pedestrian Injuries and Fatalities Relative to Traffic Speed (NCHRP 20-05/49-08, 2018 Q4)
ONGOING RESEARCH—2019 AND BEYOND

• Proposed Update of the AASHTO Guide for the Development of Bicycle Facilities (NCHRP 15-60, 2019 Q1)
• Guidance to Improve Pedestrian and Bicycle Safety at Intersections (NCHRP 15-63, 2019 Q2)
• Bicyclist Facility Preferences and Effects on Increasing Bicycle Trips (NCHRP 08-102, 2019 Q3)
• Guide for Pedestrian and Bicycle Safety at Alternative Intersections and Interchanges (A.I.I.) (NCHRP 07-25, 2019 Q4)
• Pedestrian and Bicycle Safety Performance Functions for the Highway Safety Manual (NCHRP 17-84, 2020 Q1)
• Signal Timing Strategies for Non-Motorized Users (NCHRP 03-133, 2020 Q3)
• Enhancing Pedestrian Volume Estimation and Developing HCM Pedestrian Methodologies for Safe and Sustainable Communities (NCHRP 17-87, 2020 Q4)
FY2020

• Problem Statements due November 1
• Selection in Spring 2020
• Implementation Support (20-44)
• AASHTO Committee Support (20-123)
• Ongoing engagement:
  – Surveys in connection with projects
  – Project panels
  – Annual Meeting/Technical Activities Division Committees
  – Library and information services
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Transportation Research Board
The National Academies of Sciences, Engineering, and Medicine