

NCHRP Research Update

TRB ACS20 Committee Meeting

August 2022

David M. Jared, P.E. Senior Program Officer

Agenda

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Program update

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Highlights: NCHRP safety
performance/analysis research

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FY 2023 submitted/funded problem
statements (COS)

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Questions

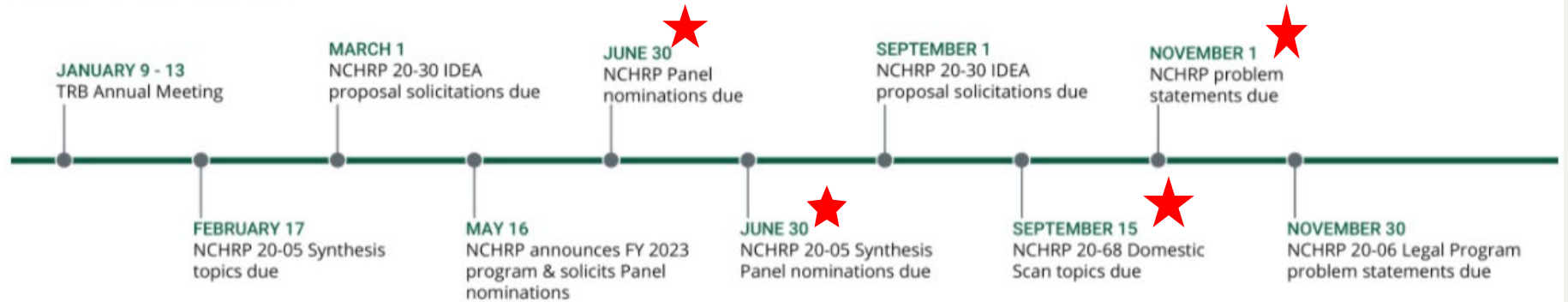
JUNE 2022 UPDATE

Program update



01

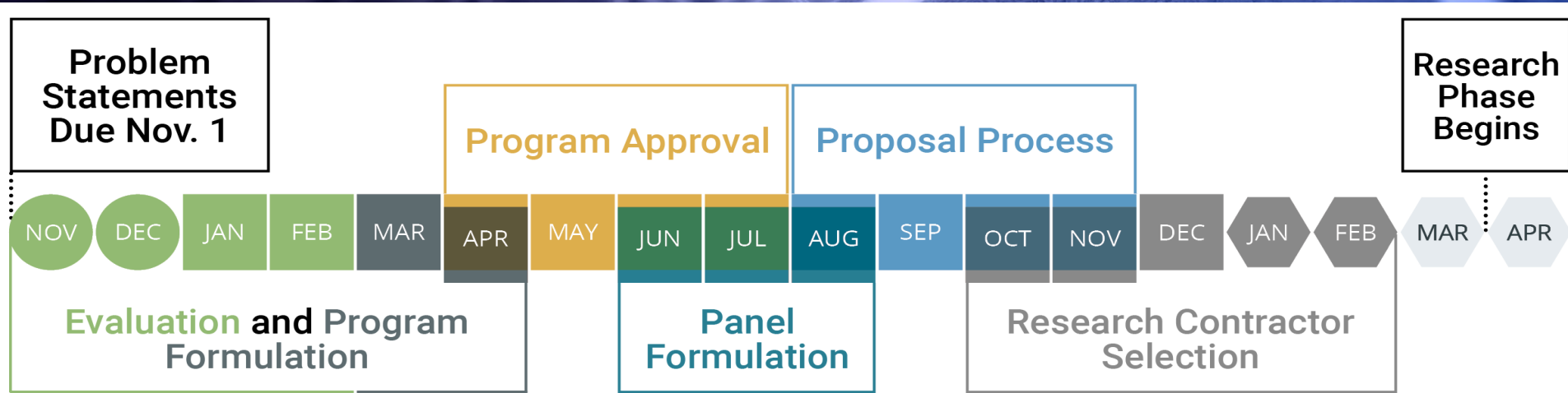
Key NCHRP dates for 2022



NCHRP FY 2023 Work Program

- R&I approved:
 - 61 new projects
 - 12 continuation projects
 - 2 contingency projects
 - Total project budget: \$40.5 million
- Projects listed on NCHRP website
- Panel member nomination ended June 30, but some panels are still being formed (stay tuned!)

A Year of NCHRP



JUNE 2022 UPDATE

Highlights: NCHRP Safety Performance/Analysis Research



03



Research “Threads”

Safe System
implementation

Setting/managing speeds

SPF/CMF development

Guides (HSM, HFG,
MASH, RDG, Green
Book, HCM)

Bike/ped safety

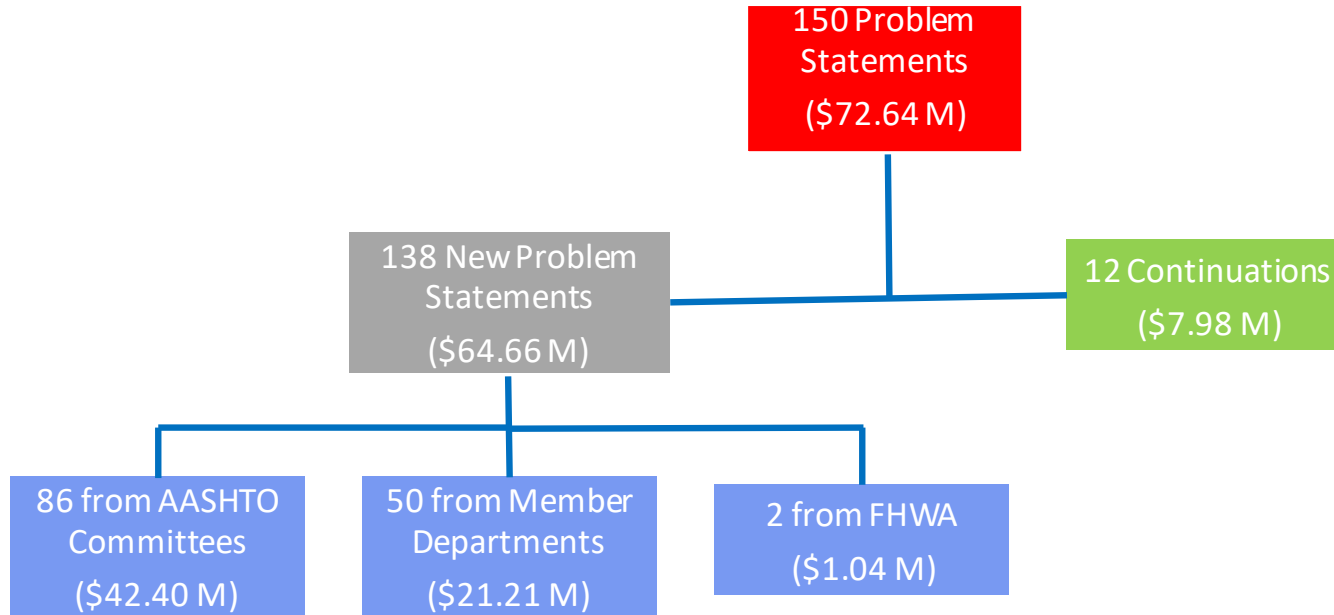
JUNE 2022 UPDATE

FY 2023 NCHRP Submitted/Funded Problem Statements



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FY 2023 NCHRP Submitted Problem Statements



Problem Statements Source

AASHTO Cmte (or Council) on Active Transportation	7	Alabama	1
AASHTO Committee on Bridges and Structures	7	Arkansas	1
AASHTO Committee on Construction, Maryland	1	California	5
AASHTO Committee on Construction	1	Delaware	4
AASHTO COMP (Committee on Materials & Pavements)	3	District of	1
AASHTO COMP (Committee on Materials & Pavements),VA	1	FHWA	2
AASHTO Cmte on Data Management and Analytic	3	Florida	2
AASHTO Committee on Design, Tech Cmte on Roadside Safety	5	Georgia	5
AASHTO Committee on Environment and Sustainability	11	Indiana	1
AASHTO Committee on Environment and Sustainability, Delaware	1	Louisiana, Idaho	1
AASHTO Committee on Funding and Finance	2	Louisiana	3
AASHTO Cmte on Hydrology	2	Maine, Minnesota	1
AASHTO Committee on Knowledge Management	2	Maryland	1
AASHTO Committee on Maintenance	3	Minnesota	1
AASHTO Committee on Performance Based Management	6	New York	1
AASHTO Cmte on Planning	2	North Carolina	5
AASHTO Cmte on Public Transportation	2	North Dakota	1
AASHTO Committee on ROW, Utilities and Outdoor Advertising Control	3	Ohio	1
AASHTO Committee on Safety	9	Oregon	1
AASHTO Committee on Transp. Systems and Operations	3	Rhodes Island	3
AASHTO Committee on Transportation System Security and Resilience	1	Texas	6
AASHTO Cmte on Alternate Project Delivery	1	Virginia	1
AASHTO Joint Tech Cmte on Roadway Lighting	2	Utah	1
AASHTO Tech on Geometric Design, California	1	Washington State	3
AASHTO Tech on Geometric Design, New York	1		
AASHTO Tech Cmte fon Geometric Design	3		
AASHTO Tech Cmte for Project Management	1		
AASHTO Special Committee on Freight	2		

FY 2023 NCHRP Problem Statements Submitted by AASHTO COS

Problem Statement	Priority
G-04 (17-113): Incorporating Safe System Approach into the NCHRP 500 Series	1
G-09 (17-116): Practical Approaches to Quantifying Safe System Concepts	1
G-10 (17-117): Safety Performance Functions for Horizontal Curves	3
G-08 (17-115): Pedestrian Crosswalk Spacing and Placement Guidance to Improve Safety	4
G-07: Method for Evaluation of a Mixed-Project Safety Program	5

FY 2023 NCHRP Problem Statements: COS (Cont.)

Problem Statement	Priority
G-05 (17-114): Integrated Strategies for Managing High Travel Speeds	6
G-11 (17-118): Understanding the Impacts of Operational Changes on Safety Performance	7
G-06: Intersection Crash Prediction Models for Future Editions of the HSM	8
G-03 (17-112): Enhancing Highway Safety Manual Guidance on Pedestrian and Bicyclist Countermeasures (CMF/SPF Development)	9

For further collaboration...

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Transportation Research Board
The National Academies of Sciences,
Engineering, and Medicine

