NCHRP 17-71

Status of Ongoing Research Projects
April 2017
Overview

➤ Timeline
➤ Project Monitoring Objectives
➤ Ongoing Project Status
➤ Closure
Time Table (11/2016)

2015  2016  2017  2018  2019

Phase 1  Phase 2  Phase 3  Phase 4

Draft 1  Draft 2  Draft 3  Final Draft
- Review and comments on Draft 1 is still on-going
- Issues impacting Draft 2 & 3 being resolved
- To what extent can Phase 3 be compressed?
Inclusion of New Research Findings

Establishing the Latest Delivery Date

- Deadline by which...
  - Projects must be completed,
  - Results available to Project 17-71 team, and
  - If producing HSM text results, approved for inclusion in HSM

- Date established to ensure on-time completion of Project 17-71 and HSM 2\textsuperscript{nd} Edition
- Originally September 30, 2017; need to discuss with the 17-71 Panel
Objectives

- Monitor ongoing projects
  - Focus: projects planned for incorporation in HSM2
- Inform HSPC of ongoing project status
- Define 17-71-related priorities
- Identify potential incorporation-related challenges
- Facilitate communication with 17-71 panel
  - Anticipate HSPC will provide their input to panel
Research Project Status

Part A
- NCHRP Project 17-50, Lead States Initiative for Implementing the HSM
  - Completion date: 4\textsuperscript{th} quarter of 2016
  - Developed potential HSM content
  - 17-71 creating text using elements of User Guide

Part B
- NCHRP Project 17-73, Systemic Pedestrian Safety Analysis
  - Completion date: 3\textsuperscript{rd} quarter of 2017
  - Not developing HSM content (17-71 may create text)
Part C

- NCHRP Project 17-58, Safety Prediction Models for Six-Lane and One-Way Urban/Suburban Arterials
  - Project extended to 10/2016, developed HSM text
  - 17-71 team plans to incorporate into updated Part C

- NCHRP Project 17-62, Improved Prediction Models for Crash Types and Severities
  - Completion date: 3rd quarter of 2017
  - Developing HSM text
  - On-going questions regarding anticipated results that will impact Part C
Research Project Status

Part C

- NCHRP Project 17-68, Intersection Crash Prediction Methods for the HSM
  - Completion date: 3rd quarter of 2017
  - Currently drafting their HSM text

- NCHRP Project 17-70, Roundabout Crash Prediction Models and Methods for the HSM
  - Completion date: 3rd quarter of 2017
  - To begin drafting their HSM text in Summer 2017
Part D

- NCHRP Project 17-56, Development of Crash Reduction Factors for Uncontrolled Pedestrian Crossing Treatments
  - Completion date: 2nd quarter of 2016
  - Published as NCHRP Report 841
  - To be in FHWA CMF Clearinghouse
  - Anticipate NCHRP 17-72 to determine if AASHTO-approved
Research Project Status

Part D

- NCHRP Project 17-59, Safety Impacts of Intersection Sight Distance
  - Completion date: 1st quarter of 2017
  - Developing potential HSM content (not HSM text)
  - 17-71 has not received final report at this time

- NCHRP Project 17-63, Guidance for Development and Application of Crash Modification Factors
  - Completion date: 1st quarter of 2017
  - Developing potential HSM content (not HSM text)
  - 17-71 has not received final report at this time
Research Project Status

Part D

- NCHRP Project 17-72, Update of Crash Modification Factors for the HSM
  - Completion date: 4th quarter of 2017
  - Late date relative to 17-71 production timeline
  - Developing the guidance for practitioners regarding use of CMFs – 17-71 anticipates including this in the updated Part D content for the 2nd edition
Closure

Timeline

- Need to improve review process for future drafts
- Need to work with Panel to establish deadline for inclusion of research findings
- Need to resolve issues impacting future drafts

Research Project Status

- Concern continues with some projects
- Continue to work with Program Managers