

# NCHRP 17-71

## *Proposed AASHTO Highway Safety Manual, 2<sup>nd</sup> Edition*

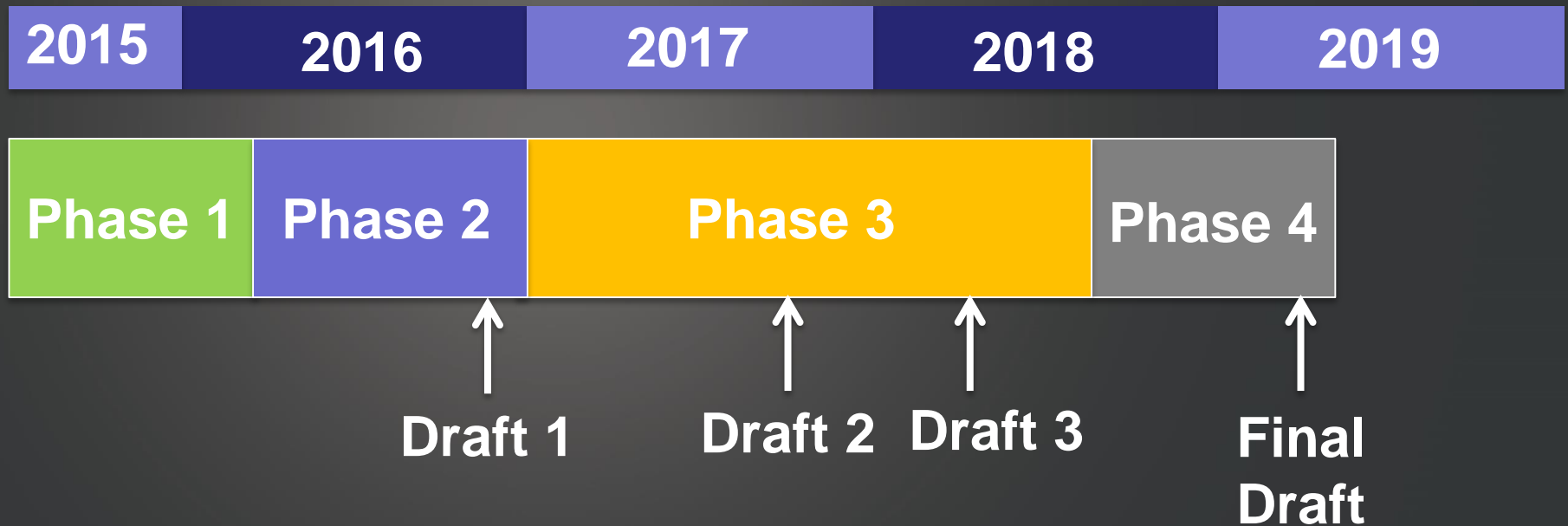
Status of Ongoing Research Projects

April 2017

# Overview

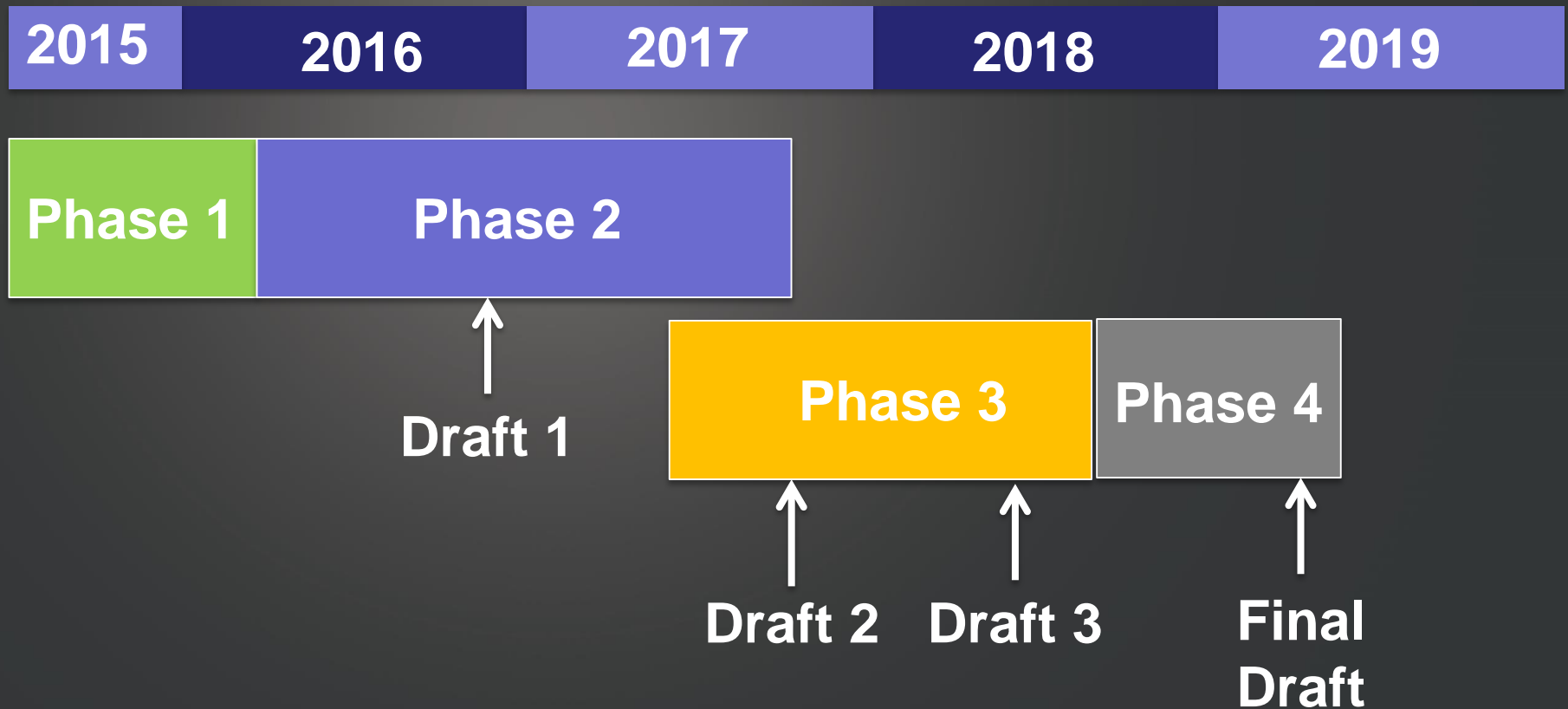
- Timeline
- Project Monitoring Objectives
- Ongoing Project Status
- Closure

# Time Table (11/2016)



# Time Table (Current?)

- 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?



# Time Table (Current?)



# Timeline

## 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<sup>nd</sup> Edition
- Originally September 30, 2017; need to discuss with the 17-71 Panel

# Project Monitoring Objectives

## > 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<sup>th</sup> 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<sup>rd</sup> quarter of 2017
  - Not developing HSM content (17-71 may create text)



# Research Project Status

## > 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: 3<sup>rd</sup> 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: 3<sup>rd</sup> quarter of 2017
  - Currently drafting their HSM text
- NCHRP Project 17-70, Roundabout Crash Prediction Models and Methods for the HSM
  - Completion date: 3<sup>rd</sup> quarter of 2017
  - To begin drafting their HSM text in Summer 2017

# Research Project Status

## > Part D

- NCHRP Project 17-56, Development of Crash Reduction Factors for Uncontrolled Pedestrian Crossing Treatments
  - Completion date: 2<sup>nd</sup> 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: 1<sup>st</sup> 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: 4<sup>th</sup> 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