

# AASHTO Committee on Safety Meeting

Chicago, Illinois 5/8/2018

# HSM2 Review Process

Updates on the review of the draft chapters

# Draft Review Process

## ▶ Volunteer Reviewers

- ▶ Drawn from AASHTO HSM Steering Committee, TRB Highway Safety Performance Committee, and more
- ▶ Over 140 volunteers from over 30 states
- ▶ Representation from research, local, state, and federal agencies, and industry

# Draft Review Process

## ▶ Process

- ▶ Volunteer reviewers receive draft material, provide comments during ~4 week review period
- ▶ Volunteer comments are reviewed by additional volunteers from chapter-wide and then part-wide perspective
- ▶ Reviewed comments are sent to the TRB Panel



# Review Progress

## ▶ Chapters Reviewed so far:

- ▶ 1, 3-4, 7-9, Part D (first draft)

## ▶ Chapters in progress:

- ▶ 2, 5-6, Part D (second draft)

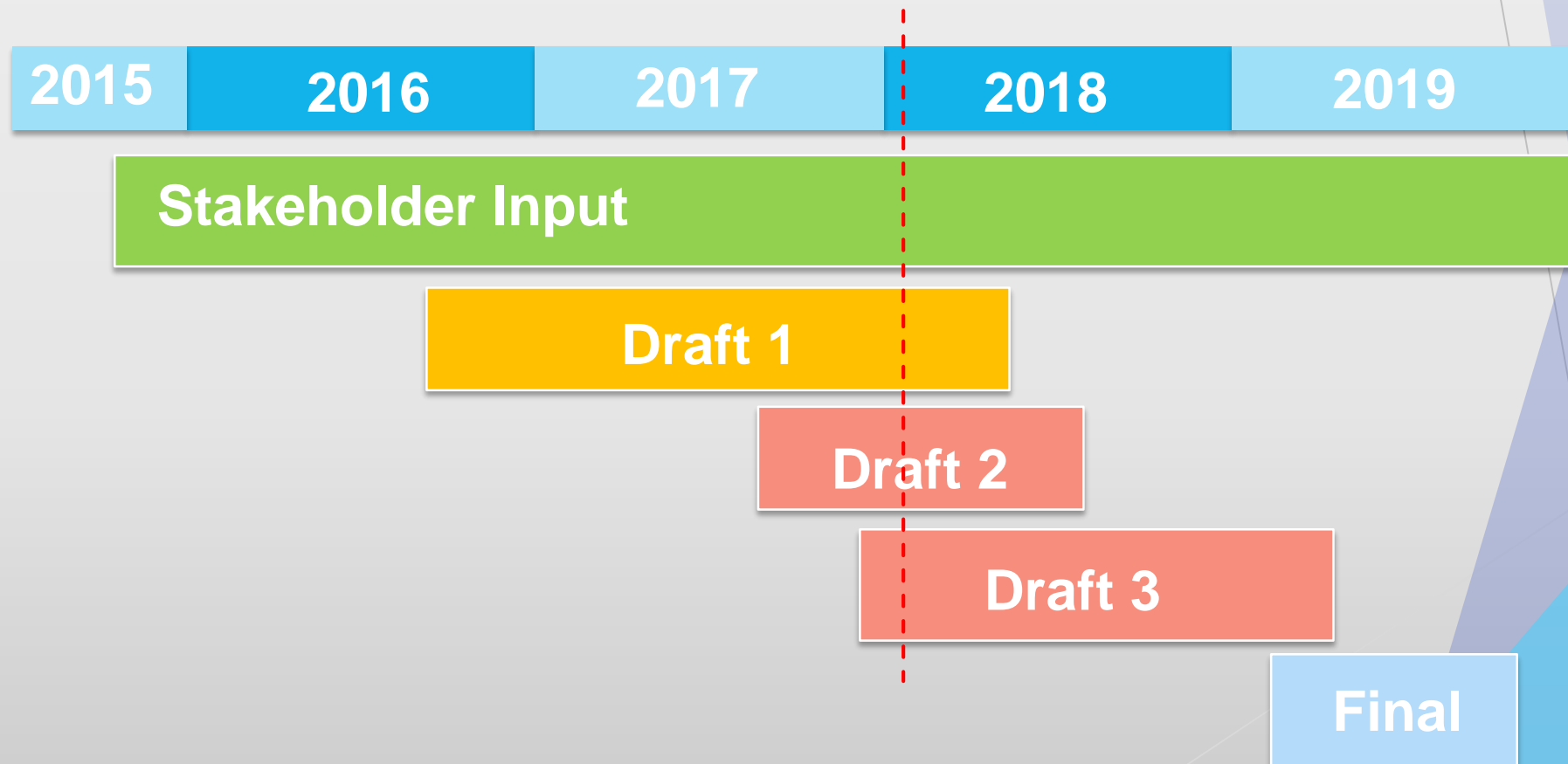
## ▶ Upcoming chapters:

- ▶ Part C

Note: additional revisions may be made to previously reviewed chapters, triggering some additional review.

# Time Table

- HSM2 being developed in three pieces (e.g. drafts)
- Each Draft being reviewed by TRB and AASHTO Committees
- Expected Completion: Fall 2019



# Future Editions

- ▶ **Strategic Plan for Future Editions (SPFE)**
  - ▶ Documents guiding principles, methods, research standards, & expectations for the development of future editions of the HSM
  - ▶ In progress, to be completed and distributed soon



# Ongoing Activities/Topics





## HSM Website Updates

- ▶ [highwaysafetymanual.org](http://highwaysafetymanual.org)
- ▶ Solicited comments for short, mid, long-term updates
- ▶ Developing Scope & Schedule

# Crash Costs

## ▶ FHWA crash costs report

- ▶ Presents 2016 national crash costs for economic and quality adjusted life
- ▶ Guides agencies in developing state-specific, year-specific crash costs

## ▶ How should this be included in HSM2?

- ▶ Should new national crash costs be included?
- ▶ Guidance on developing state-specific costs?

Severity	Comprehensive Crash Unit Costs
K	\$11,295,400
A	\$655,000
B	\$198,500
C	\$125,600
O	\$11,900

# HSM Part D Rewrite

## ▶ Review

- ▶ First review of NCHRP17-72 re-write of Part D completed
- ▶ Second review when HSM2 text is developed

## ▶ Updates

- ▶ Will still contain development and use of CMFs
- ▶ Will not include CMFs, rather in the CMF Clearinghouse
- ▶ Recurring HSM CMF updates in the Clearinghouse

# Sample Problems (NCHRP 17-83)

## ▶ Updates

- ▶ A contractor has been selected
- ▶ Began content discussion at TRB
- ▶ ID the following:
  - ▶ Types and span of problems needed
  - ▶ Agencies with experience/examples

# Ped/Bike Materials (NCHRP 17-84)

## ▶ HSM 2 Updates

- ▶ 17-84 schedule doesn't align with expected publishing date

## ▶ Options

- ▶ Publication timing
- ▶ Offer add-on chapter after publication
- ▶ Include in part, embed in other chapters
- ▶ ...Other ideas?

# Roadside Features Models (NCHRP 17-54)

- ▶ Updates
  - ▶ Models have been developed
  - ▶ Final Report is nearing completion
- ▶ Pilot Testing
  - ▶ Several states have volunteered to pilot test the models
  - ▶ Results will be compared to previous models/methods
  - ▶ Testing will begin soon
- ▶ Discussion on reconciling between the roadside models and the existing HSM models is ongoing

# Questions?

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