



# Project Schedule (following contract execution)

	MONTH																			
TASK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	O
Progress Reports	-	Q	M	M	Q	M	M	Q	M	M	Q	M	M	Q	M	M	Q	M	M	Q
Task 1. Collect & Synthesize Information to Inform the Development of a Roadmap		0																		
Task 2. Propose an Annotated Outline for Content of the HSM Roadmap																				
Task 3. Prepare Interim Report, Phase II Work Plan, and Attend Interim Panel Meeting								<b>→</b>												
Task 4. Develop Roadmap																				
Task 5. Conduct Stakeholder Webinar & Revise Draft Roadmap based on Stakeholder Feedback																				
Task 6. Prepare Final Deliverables																	<b>\</b>	$\rightarrow$	$\rightarrow$	$\stackrel{\displaystyle \rightarrow}{\Delta}$

#### LEGEND

⊃ = Amplified Work Plan and Kick-Off Meeting
 → = Review Period
 □ = Interim Meeting

M / Q = Progress report (M=monthly, Q=quarterly)

◊ = Draft Deliverable

Δ = Final Deliverable

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# Table 2. NCHRP 20-123(17) Expected Contributions by Task.

## NCHRP 20-123(17) Tasks PHASE I Task 1. Synthesize Literature to Support Roadmap **Development** Task 2. Develop Annotated Outline to Support Roadmap Development and Begin Interview and Focus Groups Task 3. Interim Report & Panel Meeting PHASE II Task 4. Develop Roadmap Task 5. Webinar and Modified Roadmap Task 6. Final Report and Companion Deliverables

#### Research Plan

- Document the historic path of the manual
- Determine optimal manual format (e.g. electronic versions, color graphics, hyperlinks within the document, etc.)
- Recommend how often the manual needs to be updated as we go forward.
- Identify what goodness-of-fit
- Identify a method for tracking incorporated research and identifying future research needs that may be based on other variables such as economic status and automated or connected vehicle immersion.
- Ultimately the project work plan will use a combination of approaches, including feedback from stakeholders during the project development process, to determine what content should be targeted for the HSM in future generations.

The Project Team will conduct a critical review of studies and existing knowledge to better the history or evolution of a method for unique road segments or intersections can be tracked. The Project Team will incorporate a matrix that helps identify how decisions were made for inclusion in the HSM and when inclusion thresholds may have changed. Example content to be identified will include:

- Research included in the 2010 HSM as well as in the upcoming HSM2.
- Example Inclusion thresholds or models that will be tracked for this synthesis include items such as:
- Standard error,
- Calibration for a single state,
- Calibration for multiple.
- SPFs.
- o CMFs.

Develop and submit an annotated outline for content of the HSM roadmap noting that this analysis will be looking towards future versions and format/content/complexity.

Prepare an Interim Report that summarizes results from Tasks 1 and 2, refines the Phase II work plan, presents key issues, and recommends priorities to address in future editions of the HSM

# Task 4 – Develop Roadmap

The roadmap will also provide recommendations that will influence the format for the HSM2. Expected questions include:

- Will the manual continue to include a printed paper version?
- Should the HSM document be one large multi-page document or should it be the individual chapter broken out separately but linked together electronically?
- What should be the period between versions of the HSM?
- How often should the HSM be updated?
- Should an implementation program be developed for the HSM?

Conduct a stakeholder webinar and revise the draft roadmap based on stakeholder feedback, with emphasis on producing a practical/useable document

#### Task 6 Deliverables

At the conclusion of this effort, the Project Team will submit several deliverable items. These include:

- Final research report documenting the research effort.
- HSM roadmap.
- Prioritized Recommendations for future needs.
- Outreach materials including summary

