

Highway Design Manual Updates

A work in progress.



Introductions

- Rewrite committee
 - Bill Gulick, Brad Eldridge, Keith Caudill, Jonathan West, Jill Asher
- SME contributors
 - Travis Carrico, Paul Looney, Ron Matar, Shawn Russell, Jeff Lail, Kevin Martin, Jason Littleton, Bill Greene, Brent Sweger, Henry Wells



Rewrite Philosophy

- “Stay in our lane.”
- Allows flexibility in design, not too prescriptive
- Should reflect how we do things today...well, mostly. See next slide.



Noteworthy Changes

- Project Development Manager (PDM) decision-making
- Location engineer approval
- Does not abandon the project development team (PDT) process or importance of their input
- If an agreement cannot be reached by the PDM and location engineer, the decision can be made at a higher level



Noteworthy Changes (cont.)

- Requires at least one alternative at PL&G to fit into the Highway Plan budget.
- All pertinent Highway Design Memos released since the last manual update should be included as part of this manual
- The electronic version of this manual will include links to other websites and forms when referenced.



Noteworthy Changes (cont.)

- Consultant Administration broken out as independent section (HD-205)
- Maintenance of Traffic (MOT) broken out as independent section (HD-206)
- Inclusion of pedestrian considerations in MOT section



Noteworthy Changes (cont.)

- DES tiered approval process
 - All projects need to be reviewed and signed by the project engineer and project manager
 - The DES can be submitted electronically with digital or typed signatures.



DES Tiered Approval Process

Tier 1 requires location engineer signature

- < CE Lvl III
- Local or Collector (non NHS)
- ADT \leq 1500
- No Design Exceptions
- Cost Est. \leq 115% of Hwy Plan Budget

OR

- <CE Lvl III
- Current ADT \leq 400
- Cost Est. \leq 115% of Hwy Plan Budget



DES Tiered Approval Process

Tier 2 requires location engineer and TEBM of Roadway Branch signature

- < CE Lvl III
- Local or Collector (non NHS)
- Design Year ADT > 1500
- No Design Exceptions
- Cost Est. \leq 115% of Hwy Plan Budget



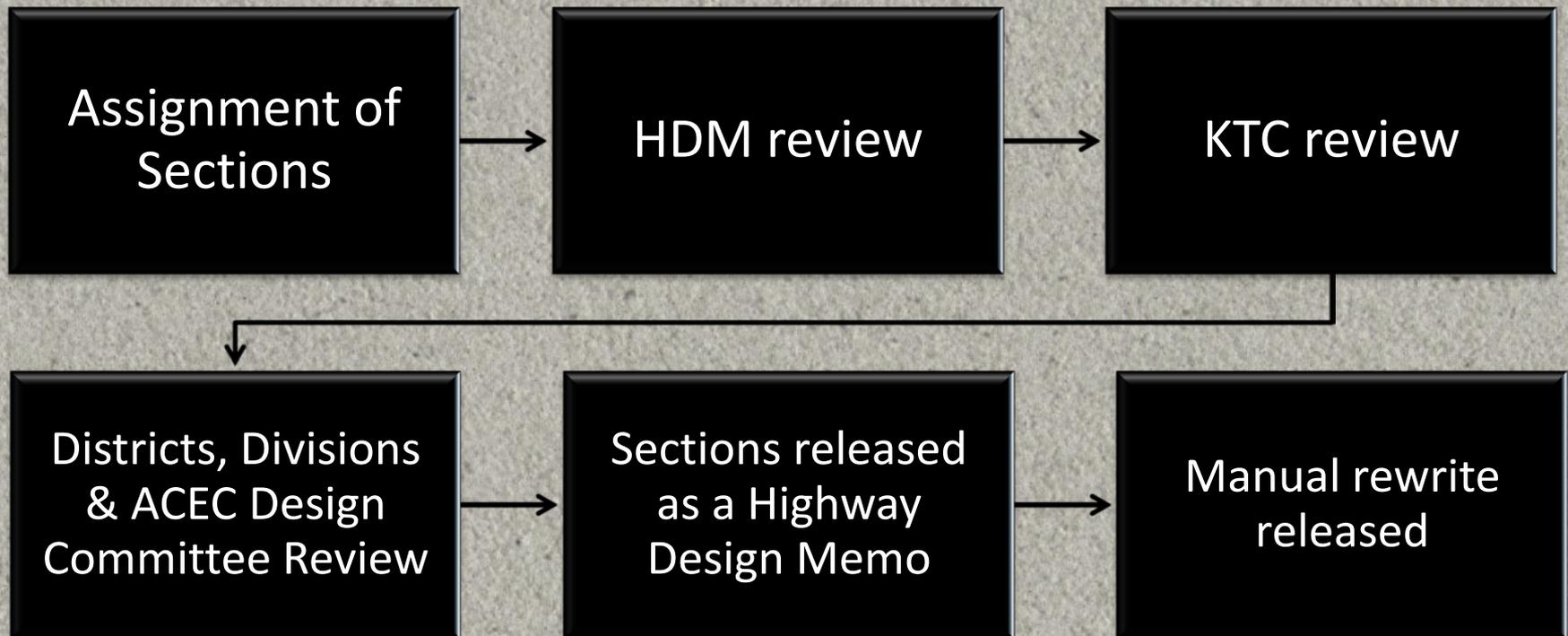
DES Tiered Approval Process

Tier 3 requires location engineer, TEBM of Roadway Branch, and Director of Highway Design signature

- All projects not meeting Tier 1 or 2 parameters.
- On full FHWA oversight projects the DES shall be provided to FHWA for their review and approval



Rewrite/Review Process



Future manual updates

- **Revisions** to manual in the future will occur every two years and will include changes made by Highway Design Memos during that period.
- **Rewrites** to the manual will occur when there is a change in philosophy



Status Update

- Chapter 100 – General Information is ready to send to other Divisions, Districts and the ACEC Design Committee
- Chapter 200 Administrative Procedures, Sections 201-205 is ready to send to other Divisions, Districts and the ACEC Design Committee



Status Update (cont.)

- Chapter 200 – Administrative Procedures, Sections 206-210 edited by SMEs, ready for HDM committee to review



Schedule

Our intent is to:

- Distribute HD 100 – 300 (General Info, Administrative Procedures, & Surveying) to ACEC Design Committee, Districts, and other Divisions for comments by October with a 3 week review period
- Received comments by November
- Address comments, edit and release HD 100 – 300 by the beginning of 2015



Questions?



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