

Possible LTIP Bridge ETG Agenda, v.2

October 13

8:30 AM Closed session

8:35 Committee composition and balance (bias/conflict of interest)

8:50 Discussion of LTBP status and direction

9:30 Break

9:45 Open session

Revisiting the charge to the ETG (see Statement of Task at end of this document)

- Based on LTBP needs and limitations, on what kind of products should the ETG focus its guidance?
 - What activities are within the scope of the ETG? E.g., general LTBP program planning, plans for field data collection, etc.?
 - What additional data and tools do ETG members believe would be most useful to state DOTs and other end users (such as researchers carrying out projects for DOTs)?

Noon Break for Lunch

1:00 Options for afternoon (total of about 2.5 hrs allocated at FHWA discretion with 20 min break at 2:30)

- 30 minutes on BEAST testing/results with details on overlays, test cycles, and data that will be added to InfoBridge
- Up to 60 minutes on InfoHighway and latest results from NDE Lab
- Up to 60 minutes on future work related to preservation technologies, including corrosion, and how frequently posted. Also interest in plans for future research.
- Up to 60 minutes on NBI legacy data and data formatting and how that will affect legacy data availability and impact on deterioration models in InfoBridge
- Up to 15 minutes on Sec. 13006. Research and technology development and deployment*
- Up to 60 minutes on topics that carry over from ETG's Fall 2021 meeting:
 - Discussion about InfoBridge models of condition ratings and changes. (Options to look at different preservation strategies. More understanding of how that was handled in FHWA models. Links to the papers that developed the models. Possibility of misunderstanding of how strategies defined. Data censoring.)
 - Older field NDE data in XML format. More understanding of schema and how users can interpret them.

4:00 Closed session for ETG deliberations on findings/recommendations for LTIP Main Committee

5:00 Adjourn

* "Section 13006 expands the objectives of the Turner Fairbank Highway Research Center to support research on non-market-ready technologies in consultation with public and private entities. This section establishes an open challenge and research proposal pilot program that provides grants for proposals to

research needs or challenges identified or determined to be important by the Secretary. This section also expands the Technology and Innovation Deployment Program by adding a focus on accelerated.”

October 14

8:30 AM Closed meeting to review items to discuss with FHWA

9:30 Open Session

9:40 Review/Discussion of Previous Day

11:45 Meeting conclusion

Box lunches available in meeting room

ETG Statement of Task

An Expert Task Group (ETG) will advise the below described committee regarding priorities in terms of the technical tools and products that state departments of transportation need to maintain and improve the performance of their bridges and other structures. The ETG will not issue a formal report.

The Main Committee, which is parent to the ETG will advise the Federal Highway Administration (FHWA) Infrastructure R&D Program regarding priorities in terms of the technical tools and products that state departments of transportation need to maintain and improve the performance of their pavements, bridges, and other structures. FHWA's program includes gathering data on long-term infrastructure performance; structural design; material testing, evaluation, specification and mixture design, and optimization for both traditional and innovative materials; performance evaluation and prediction; construction; life-cycle cost analysis; environmental and sustainability aspects and implications; preservation of bridges, tunnels, culverts, geotechnical elements; aerodynamic and hydraulic engineering guidance; design and mitigation for extreme events (e.g., seismic, blast, and scour); advanced materials and structural systems; tools for the assessment and condition monitoring of highway structures; and data-driven performance management and preservation tools. The FHWA and its contractors are designing tools and predictive models for highway infrastructure owners to use to maintain and improve their assets; the committee's role will be to comment on such products as appropriate. The committee will meet annually to interact with FHWA and other stakeholders and issue an annual assessment in the form of a letter report.