

Memo

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From: R. Oats

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Re: Structural Modeling Development

To date, the finite element simulation task is progressing as expected, with models being developed and validated. The validation stages are critical for future model development, as they provide confidence in the modeling approaches used. Validation allows the models to be extended with confidence and functional to applications in which they may not have been specifically validated. The models under development focus on structural components of a bridge and are expected to be combined to form a full bridge model. For comparison to current progress, the expected outcome of the finite element modeling tasks will be capable of correlating with evaluating the global challenges highlighted in the commercial sensor evaluation report.