

2018 AASHTO NOISE WORKING GROUP SUMMIT

Research Needs

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Gannett Fleming

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Current national research

- NCHRP 25-44 – Field Evaluation of Reflected Noise from a Single Noise Barrier
 - Report issued as NCHRP Report 886:
- NCHRP 25-45 – Mapping Heavy Vehicle Noise Source Heights for Highway Noise Analysis
 - Report issued as NCHRP Report 842 in the spring of 2018:
<http://www.trb.org/Main/Blurbs/175742.aspx>
- NCHRP 25-49 – Enhancement of Construction Noise Prediction Tool (RCNM Version 2)
- NCHRP 25-52 – Guidelines for the Consideration of Atmospheric Effects for Improved Noise Modeling
 - Report issued as NCHRP Report 882:
- NCHRP 25-57 – Innovative Mitigation Strategies for Highway Noise

Submitted and planned abstracts

- Development of a Practitioners Handbook for Noise Wall Inspection Procedures During and Post Construction
- Practitioners Handbook for the Noise Analysis Process for Design Build Projects
- Methodology for analyzing noise and vibration impacts on different terrestrial species
 - Led by Noel Alcala
- Methodology for analyzing noise and vibration impacts on inland aquatic species (planned for FY 2019)
 - Led by Cora Helm (she has retired)

What are the research needs for the future?
