

Natural Resources Subcommittee

2:00-2:15	Welcome and Intros
2:15-2:30	TRB Resource Conservation and Recovery Summer Meeting and Haz Mat Working Group
2:30-3:00	EPA Stormwater Audits
3:00-3:15	NCHRP Research
3:15-3:30	Upcoming Research
3:30-3:45	Break
3:45-4:30	Lightning Talks
4:30-4:45	FHWA Update
4:45-5:15	Open Discussion
5:15-5:30	Wrap Up

Pooled Fund Project TPF-5(358) : Wildlife Vehicle Collision Reduction and Habitat Connectivity

- Proposals due August 1
- Led by Nevada DOT; 9 agencies total
- Literature review, interviews and field tests
- Develop improvements related to wildlife movement and livestock
 - Manual for Cost Effective Wildlife Mitigation
- Procedures and data needed to integrate in planning
 - Manual to Integrate Wildlife Mitigation in Transportation Planning

NR TERI Topics

1090	Combining Compost and Phosphorus Sorption Media into a Homogenized "Mix" for Stormwater Treatment
1092	Compliance Measures for Managing Chloride-Based Deicers
1094	Documenting and implementing UAS data for roadside vegetation management
1098	Quiet bridges: Design, Construction, and Modification
1099	Lightly Contaminated Transportation Material Reuse Options and Specifications
1100	Evaluation of circuit theory to predict optimal locations for wildlife crossing structures to maintain ecological processes and population level connectivity
1101	Use of innovative technology to deter bat-bridge use
1103	Understanding Appropriate Approach Slopes to Wildlife Highway Overpasses
1105	Understanding the Efficacy of Median Barrier Scuppers on Wildlife Passage
1106	Effective On-Bridge Treatment of Stormwater
1109	Methodology for Analyzing Noise and Vibration Impacts on Different Terrestrial Species

NR TERI Survey of DOTs

- Used Survey Monkey
- Sent to all on the NR Subcommittee email list
- Received survey responses from 35 individuals representing 23 state DOTs
- Votes from DOTs with multiple voters were averaged

NR TERI Survey Results

1. 1101 – Use of innovative technology to deter bat-bridge use (4.8)
2. 1099 – Lightly Contaminated Transportation Material Reuse Options and Specifications (5.3)
3. 1106 – Effective On-Bridge Treatment of Stormwater (5.6)
4. 1100 – Evaluation of circuit theory to predict optimal locations for wildlife crossing structures to maintain ecological processes and population level connectivity (5.7)
5. 1090 – Combining Compost and Phosphorus Sorption Media into a Homogenized "Mix" for Stormwater Treatment (6.0)

NCHRP Overview

- **NCHRP 25-25 Ended**

- 25-25 one of four “suballocations” from “main”NCHRP
- Performed small-scope, short-duration research for SCOE
- Tasks selected by SCOE; 113 tasks completed since FY 2003
 - 21 tasks on cultural resources topics (19%)

- **Moving Forward**

- All research proposals submitted through regular NCHRP processes
- Submission by AASHTO’s Standing Committee on Environment and Sustainability (CES), State DOT, or FHWA
- Projects selected by AASHTO’s Special Committee on Research and Innovation (R&I)
 - R&I members have little to no environmental expertise
- Research panels selected by NCHRP

Considerations

- Is the problem national in scope?
- Will the research results substantially contribute to project delivery?
- Will the results save money and/or time?
- Will the research outcome be implementable and/or measurable?
- Will the research results help resolve compelling problems with legal/regulatory compliance, or resolve ambiguities with the regulatory community?
- Can the importance of the problem and research solution be explained to a non-environmental audience?
 - Will the research topic appear duplicative, in title or substance?