

FEDERAL HIGHWAY ADMINISTRATION UPDATES

Mark Ferroni

Santa Fe, New Mexico: 07.29.2013

Research on 23 CFR 772

- Land Use Evaluation Methodologies under 23 CFR 772
- Analysis of Noise Barrier Acceptance Criteria
- Noise Barrier Acceptance Criteria Evaluation Tools
- Evaluation of 23 CFR 772 for Opportunities to Streamline and Establish Programmatic Agreements



Guidance

- Noise Policy FAQs: Trails and Trail Crossings
 - #41: How are trails and trail crossings defined in the context of 23 CFR 772?
 - #42: What is a trail crossing?
 - http://www.fhwa.dot.gov/environment/noise/regulations_and_guidance/faq_nois.cfm

- TNM FAQ: What are TNM's system requirements?
 - Note regarding Windows Vista and Windows 7 builds
 - http://www.fhwa.dot.gov/environment/noise/traffic_noise_model/tnm_faqs/faq01.cfm#geninfo1



FHWA Traffic Noise Model

- Broad Agency Announcement (BAA):
 - ▣ Still in progress
- Volpe Deliverables
 - ▣ New TNM Versions: 2.6, TNM Exporter, 3.0 Current GUI
 - ▣ Source Code
 - ▣ Technical Manual and User Guide
- After Receiving TNMv3.0
 - ▣ Sensitivity testing
 - ▣ Consistency Test Suite/Acceptable Margin Answer Key



Specific Pavement in Noise Modeling

State Department of Transportation

- California
- Colorado
- Florida
- Maryland
- Massachusetts
- Minnesota
- Missouri
- Montana
- New Jersey
- New York
- Ohio
- Oregon
- Pennsylvania
- Texas
- Virginia
- Washington

Industry

- American Motorcyclist Association
- Asphalt Insititue
- National Asphalt Pavement Association (NAPA)

Noise Barrier Inventory

- Federal Register Notice:
<http://www.gpo.gov/fdsys/pkg/FR-2013-06-21/html/2013-14868.htm>
- Convert from manual process to an automated process.
- On-line form with database
- Each state will have a access account
- Can enter as when requested by FHWA or as data is received.

NHI Highway Traffic Noise Course

142051: Course Details

- 3-days, 3 instructors
- Basic Traffic Noise Concepts
- Noise Legislation, Regulations and Policies
- Noise Study Requirements
- Noise Measurement
- Basics of Traffic Noise Modeling
- Application of Traffic Noise Modeling
- Barrier Acoustical Concepts and Design
- Highway Construction Noise
- Public Involvement
- Noise Study Documentation
- Noise Compatible Planning and Development
- Project-Related Noise Abatement

142051: Sessions

- Currently Available:
 - Salt Lake City, UT: August 20-22, 2013
 - Harrisburg, PA: September 17-19, 2013
 - Arlington, VA: October 8-10, 2013
- Recently Offered:
 - Chicago, IL: August 2012
 - Tampa, FL: November 2012
 - St. Louis, MO: December 2012
 - Seattle, WA: February 2013
 - Lee's Summit, MO: March 2013

Potential Future Activities

- Updates to 772, guidance and procedures
- Action/No-action regarding specific pavements in noise modeling
- Construction Noise
- Update REMELs
- Additional web-based NHI lessons

QUESTIONS?

mark.ferroni@dot.gov or 202.366.3233