



Dulles Corridor Advisory Committee

Dulles Toll Road Highway Noise Policy

November 18, 2010



Dulles Toll Road Existing Sound Walls





Status of Noise Policy

- ◆ April 21, 2010 – Dulles Corridor Advisory Committee briefed on draft Dulles Toll Road Highway Noise Policy
- ◆ June 10, 2010 – Airports Authority public workshop on draft Dulles Highway Noise Policy
- ◆ June 30, 2010 – Public comment period closed
- ◆ July 13, 2010 – FHWA published final rule updating 23 CFR 772 – *Procedures for Abatement of Highway Traffic Noise and Construction Noise*
- ◆ September 27, 2010 – Frequently asked questions and answers on draft policy are posted on the Authority's website
- ◆ December 15, 2010 – Final recommended Noise Policy is scheduled to be presented to the Authority Board's Dulles Corridor Committee



Public Workshop

Comments:

- ◆ Differences between VDOT, Fairfax policies and the proposed Airports Authority noise policy
- ◆ Concerns over cost per benefited property limits
- ◆ Concerns over rail noise
- ◆ Desire to have existing noise barriers tested for noise attenuation adequacy
- ◆ Desire to address visual impact
- ◆ Questions on timing and location of noise monitoring
- ◆ Questions on schedule of construction of noise barriers



Status of Noise Monitoring

August 9 – September 10, 2010 – Noise monitoring along Dulles Toll Road included four 24-hour tests and 81 short-term tests

March 2011 – Complete development and calibration of traffic noise model



Existing Sound Walls



Noise Monitoring



Monitoring and Modeling Process

- ◆ 24-hour monitoring determines peak noise level period
- ◆ Short-term monitoring conducted during peak period
- ◆ Actual traffic volume and classification counts are taken during the same period as the short-term monitoring
- ◆ Traffic noise model is configured inputting terrain, existing structures and traffic volumes
- ◆ Conformed traffic noise model is then calibrated using the results of the short-term monitoring
- ◆ Calibrated conformed traffic noise model is the “as is” condition for existing noise
- ◆ Future scenarios are modeled to determine noise impacts and potential mitigation required



Ronald Reagan Washington National Airport



Dulles Corridor Metrorail Project



Dulles Toll Road



Washington Dulles International Airport



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