2008 ROADWAY SOUND BARRIER ATMOSPHERIC TRACER STUDY
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Idaho Falls, ID 83402

Tracer Release System



 Whe system.
Weingt tos from the bortie deteremines the
total amount of tracer released. Dual release meananisms were used for the
barie and non-barier sampling grids.


$\mathbf{S F}_{6}$ Continuous Tra


Tracer was disseminated from 64 individua
31-gauge calibratede syyinge needisi




Sonic Anemometer Array


Tracks in the aerial veews abovelalelow indicate the
path of the realtime continuous analyzers. Aerial View of Non-Barrier Grid


Roadway Study Domain


2U.S. Environmental Protection Agency Atmospheric Modeling and Analysis Division mospheric Exposure Integration Bran
Research Triangle Park, NC 27711

Preliminary Results


Weakly
Stable


Strongly
Stable

Roadway Summary

 the non-barierer side. This was due to (1)
vertical movement and 1 ispersion forced
then















Recent Urban Tracer Studies


 dispersion inthe - - Nocturnal urban
Late city in 2000 .

