



# Roanoke Valley Area Metropolitan Planning Organization (RVAMPO)

Presentation to the Commonwealth Transportation Board  
(CTB)

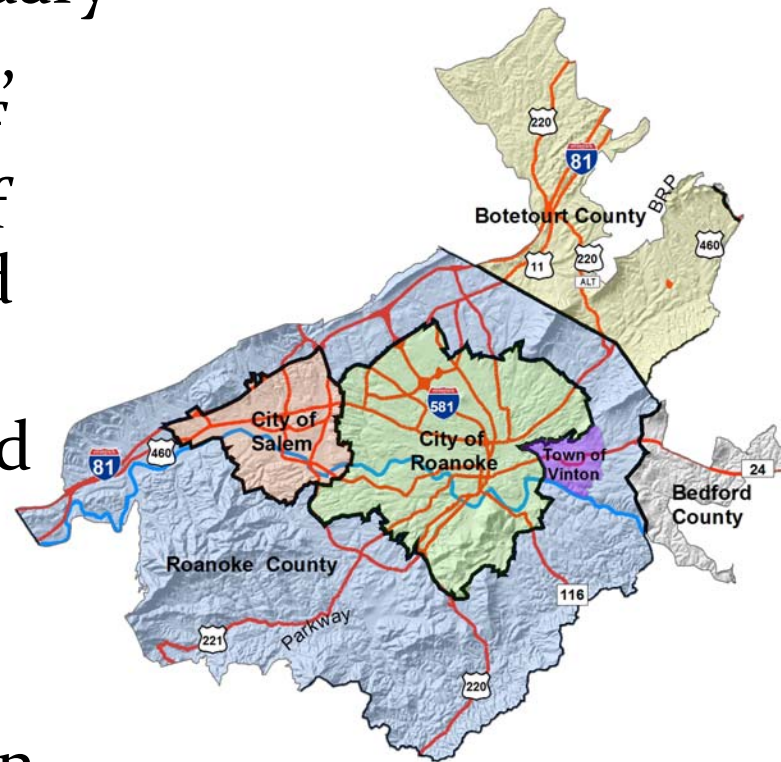
December 8, 2010

# Overview

- Service Area of RVAMPO
- Upcoming Challenges
  - National Ozone Standards
  - Likely TMA Status
  - Possibility of adding New Localities
- Recent Projects
- Innovation
  - Partnership with Transportation Demand Management Planning
- Questions?

# RVAMPO Service Area

- 2035 Study Area Boundary serves City of Roanoke, City of Salem, Town of Vinton and portions of Bedford, Botetourt and Roanoke Counties.
- Census 2000 Urbanized Area Population at 197,000
- 2035 Study Area population greater than 220,000

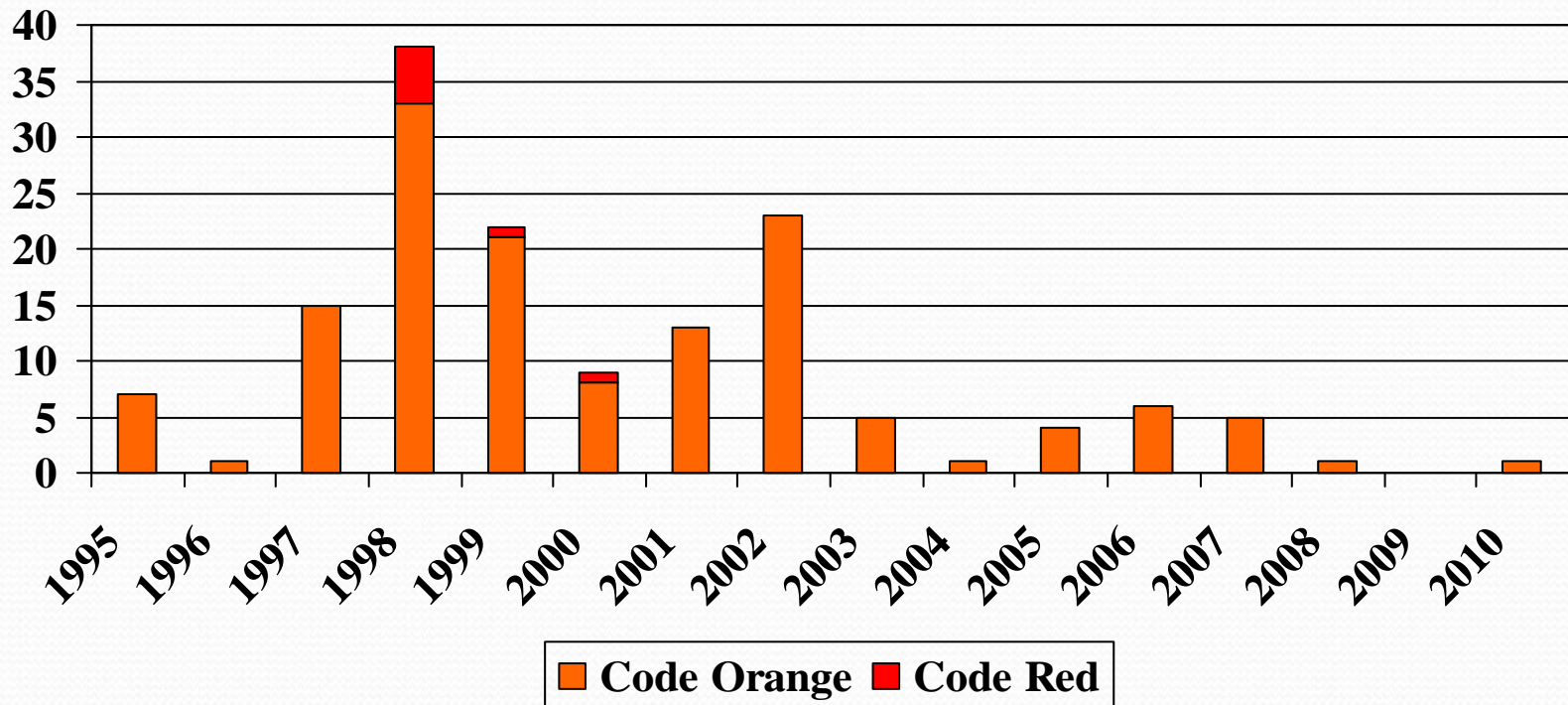




# Upcoming Challenges - Ozone

- The Ozone Early Action Plan of 2003-04 was successful!
- Standards “tightened” in 2008-09 to 75 parts per billion (ppb).
- Continued Success! The plan met new “tightened” standards.
- Standards currently under “review” due to alleged deficiencies in 2008-09 review process. Proposed range from 60 ppb to 70 ppb.

# Number of 8-hour Ozone Exceedance Days in Roanoke, 1995-2010

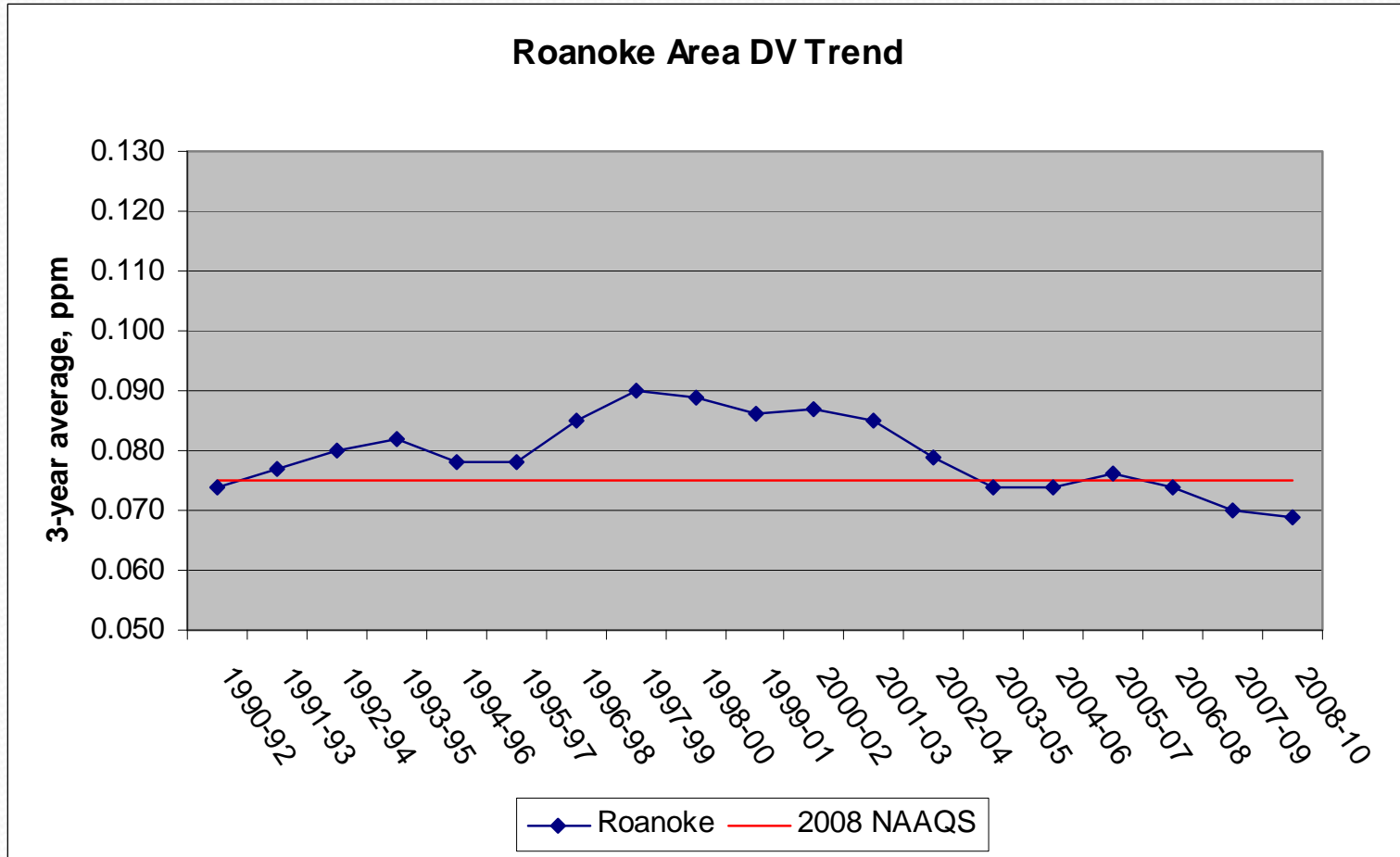


Code Purple: “Very Unhealthy”, 8-hr. avg. 116-374 ppb

Code Red: “Unhealthy”, 8-hr. avg. 96-115 ppb

Code Orange: “Unhealthy for Sensitive Groups”, 8 hr. avg. 76-115 ppb

# Roanoke Ozone Design Value\* Trend



\* Design Value – three year average of 4<sup>th</sup> highest annual reading



# Upcoming Challenges - Ozone

- Data show that RVAMPO would comply with a 70 ppb standard.
- RVAMPO might have a “fighting chance” to comply with a 65 ppb standard.
- RVAMPO and most of the United States would not likely comply with a 60 ppb standard now or in the future.
- **Challenge** – RVAMPO may enter the Traditional Non-Attainment process for Ozone.

# Upcoming Challenge – TMA Status

- RVAMPO Census Urbanized Area in 2000 was 197,327.
- Current Federal Regulations classify MPOs as TMA Status when Urbanized Area population exceeds 200,000 according to most recent census.
- RVAMPO is likely to exceed 200,000 when Census 2010 results are “finalized.”
- **Challenge** – RVAMPO will be the smallest TMA MPO in the Commonwealth yet subject to all TMP responsibilities and requirements.



# Upcoming Challenge – New Localities

- It is possible that RVAMPO will add small portions of Franklin and Montgomery counties to the Urbanized Area.
- This will depend on final Census 2010 results and population densities.
- Any “new localities” will have to be represented on MPO Policy Board.

# Summary of Upcoming Challenges

- Most Challenging Scenario: Non-Attainment for Ozone, TMA Status and Incorporating New Localities all within a 2 or 3-year timeframe.
- Moderately Challenging Scenario: Any two of the three challenges come true within a 3-year timeframe.



# Recent Projects of Note

- 419 Corridor Study (Joint Project with VDOT and VDOT's Consultant)
- Roanoke Valley Greenways Master Plan Update
- Regional Bicycle Plan
- Staff Report on Bus Connector for Passenger Rail
- Initial Traffic Simulation work using Synchro

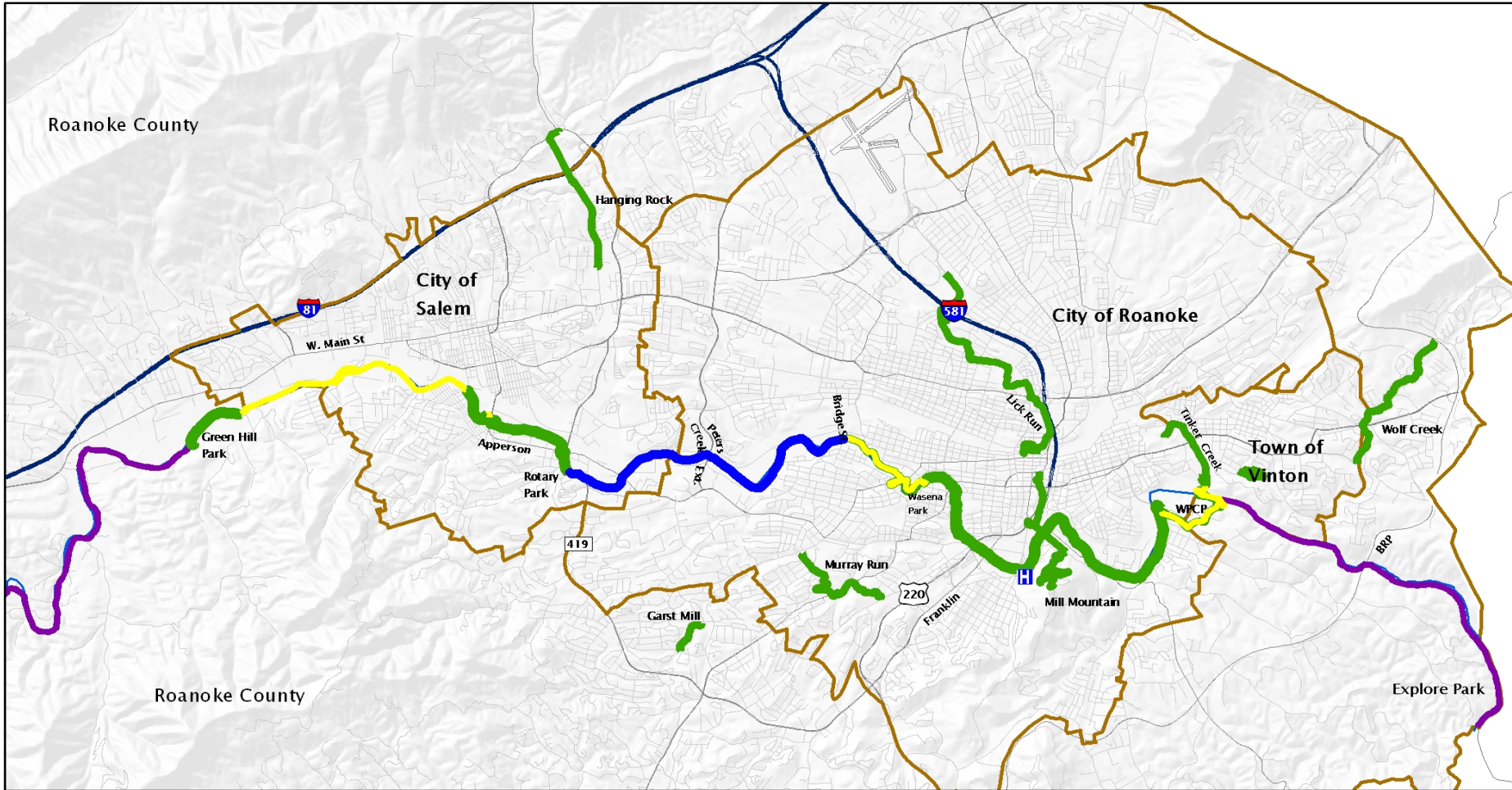



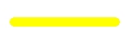


# Greenway Planning

- Greenway Master Plan Update
- Establishment of Bicycle Advisory Committee (BAC)
- Roanoke River Greenway Implementation Tracking
- Locality adoption of Greenway Master Plan
- Trail counts for measurement and tracking



# Roanoke Valley Greenway Status Map



-  Completed (23 miles)
- Roanoke River Greenway Status**
-  Funded For Construction 2010–2013 (6.2 miles)
-  Funding Needed (4.1 miles, \$7 million)
-  Future Plan (14 miles)





# Roanoke River Greenway

Goal: Finish 18 miles  
in 2013

Status: 8 miles built, 6  
miles funded

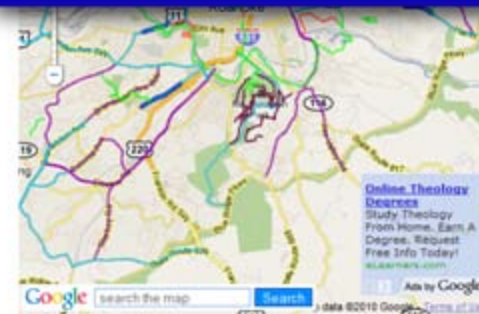
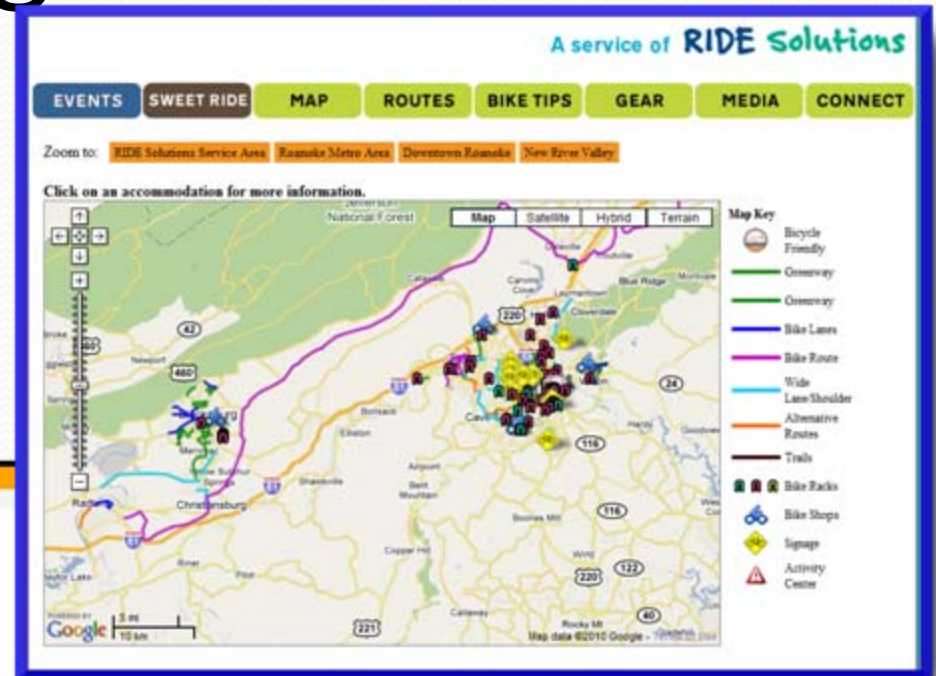
Needed: \$4 million  
government, \$3  
million private





# Bicycle Planning

- Bicycle Interactive Map
- Regional Bicycle Plan Update.
- Webinars and training open to local planners, professionals and bicycle stakeholders.





# High Occupancy Vehicle/Toll HOV-HOT Lane Scenario

Center Lanes could be used by carpools and vanpools for free. Single occupancy drivers could pay a fee for use of the lanes.





# Innovation

- Partnership with Regional Rideshare Agency (RIDESolutions) to incorporate Transportation Demand Management planning in the Long-Range Plan.
- Partnership with University of Alabama at Huntsville to apply a Freight Planning Methodology that was developed at the MPO around Mobile to the RVAMPO area as a test case.



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