



Mid-Region Metropolitan Planning Organization of the Albuquerque Metropolitan Planning Area

Metropolitan Transportation Planning

In the Albuquerque Metropolitan Planning Area

UNM Planning Class

January 5, 2010



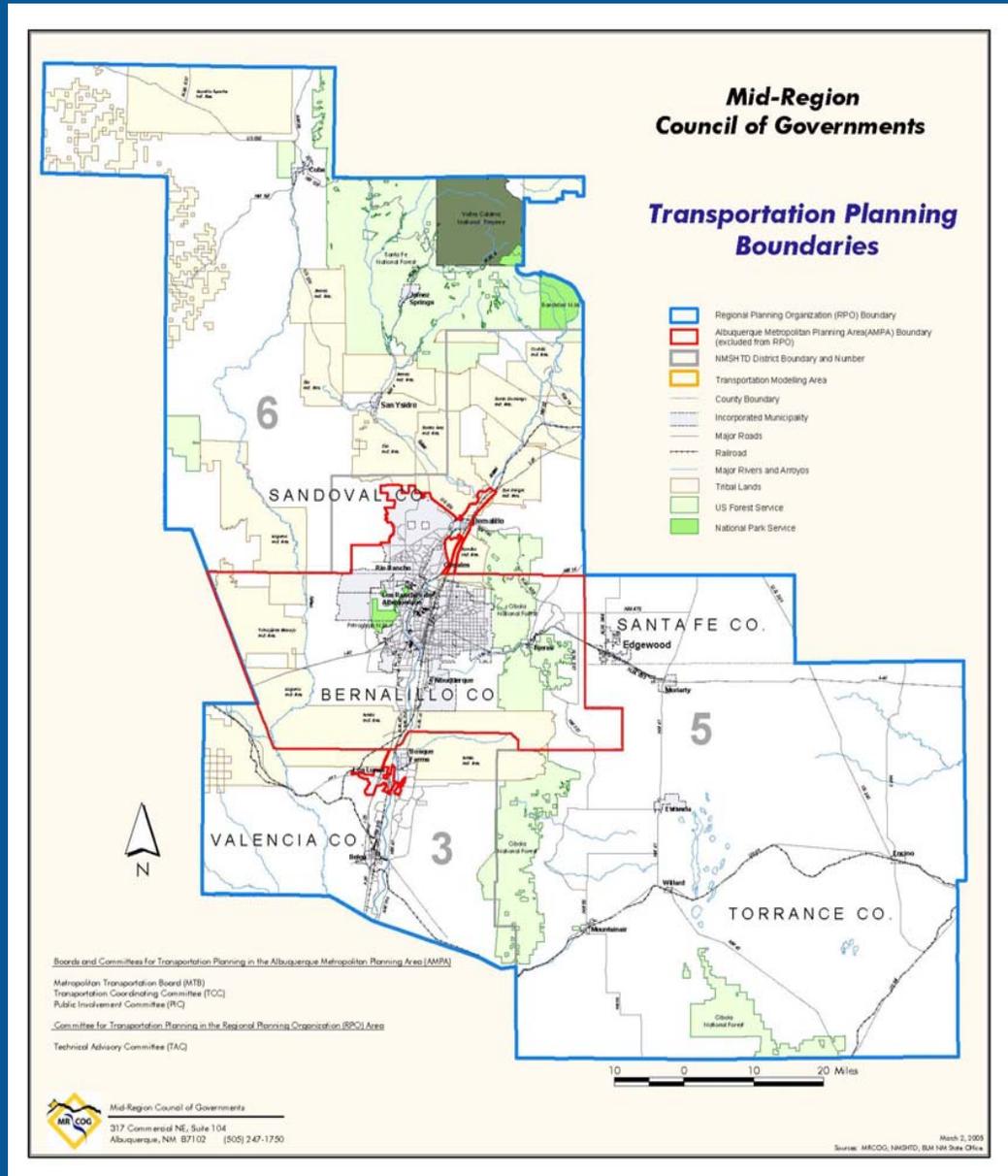
What We'll Talk About

- ◆ The Mid-Region Council of Governments (MRCOG)
- ◆ The Mid-Region Metropolitan Planning Organization (MRMPO)
- ◆ Metropolitan Transportation Plan

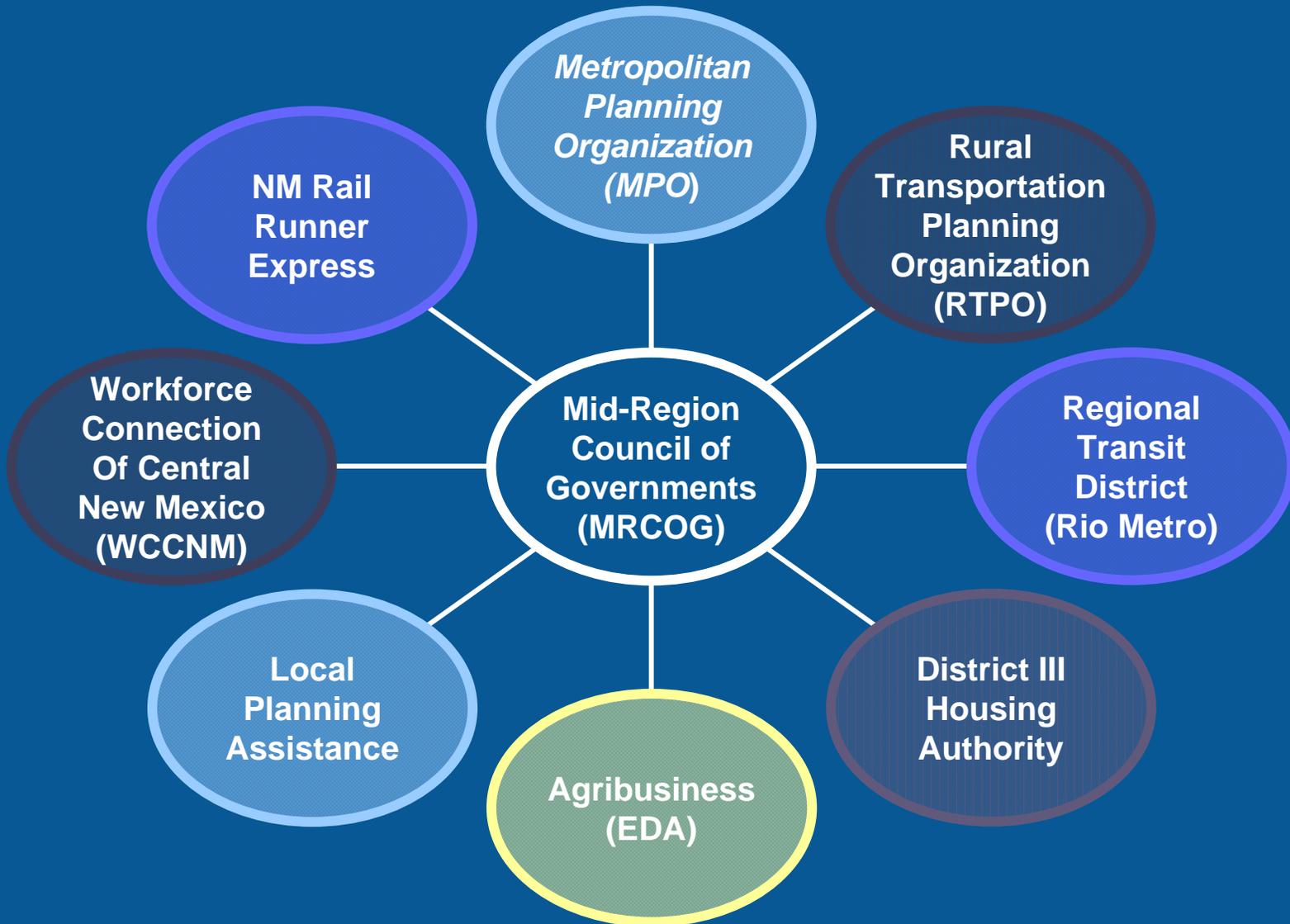


Mid-Region Council of Governments

MRCOG Planning Area



MRCOG Program Areas



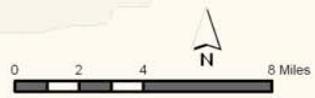
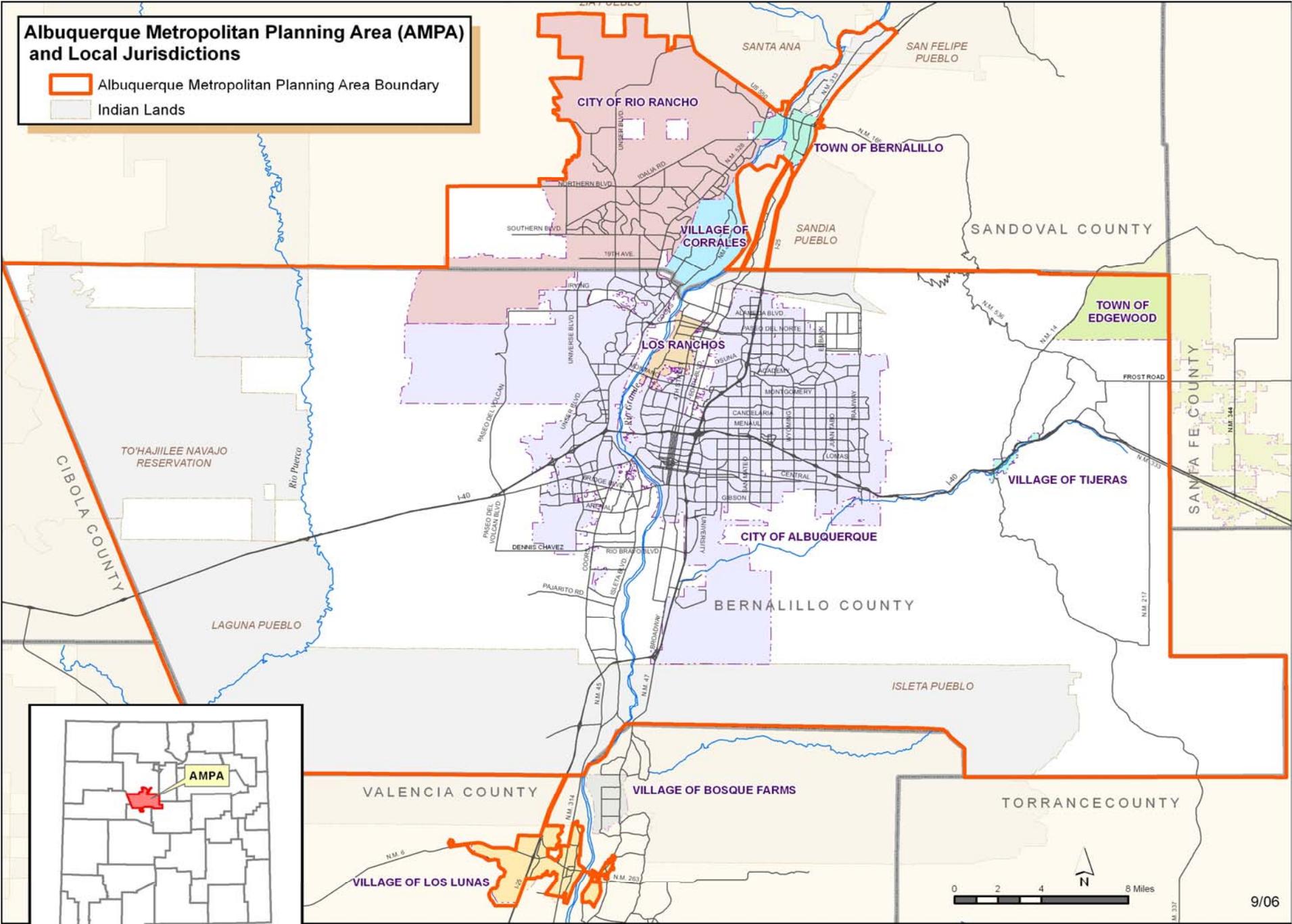
Metropolitan Planning Organizations

- ◆ Created and defined by *federal law* (Title 23 of the US Code)
- ◆ Defined as “The policy board of an organization created and designated to carry out the metropolitan transportation planning process”
- ◆ All 381 MPOs serve their respective Metropolitan Planning Areas as the forum for *cooperative* transportation *decision-making*



Albuquerque Metropolitan Planning Area (AMPA) and Local Jurisdictions

-  Albuquerque Metropolitan Planning Area Boundary
-  Indian Lands



MPO Participants

- ◆ Federal agencies
 - ◆ Federal Highway Administration (FHWA)
 - ◆ Federal Transit Administration (FTA)
 - ◆ Environmental Protection Agency (EPA)
- ◆ State agencies
 - ◆ NMDOT
 - ◆ NM Environment Department
- ◆ Local agencies
- ◆ Native American Tribes and Pueblos
- ◆ Stakeholders
- ◆ The Public



MPO Decisions

- ◆ Metropolitan Transportation Board (MTB)
 - ◆ Elected officials, officials of agencies that administer/operate major modes, appropriate State officials
 - ◆ Advisory committees
 - Transportation Coordinating Committee (TCC)
 - Provides technical advice to the MTB
 - Public Involvement Committee (PIC)
 - Provides an interface between MTB and the public
 - ◆ Approve transportation plans and programs in the AMPA; establish regional transportation policy



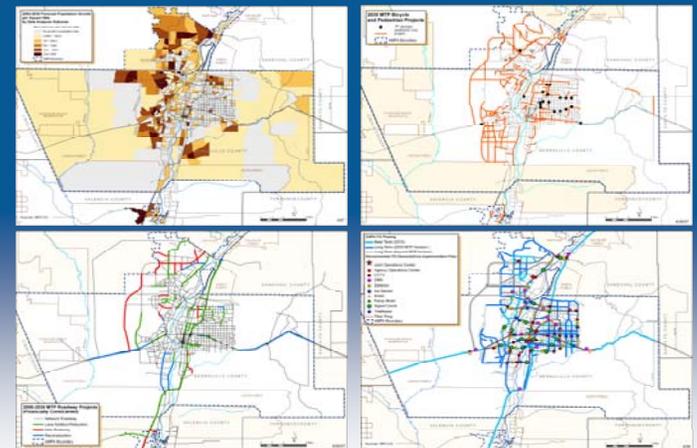
MPO Functions

- ◆ What does an MPO do?
 - ◆ *Metropolitan Transportation Plan*
 - ◆ Transportation Improvement Program
 - ◆ Public Involvement
 - ◆ Unified Planning Work Program
 - ◆ Congestion Management Process
 - ◆ Transportation Conformity
 - ◆ Certification



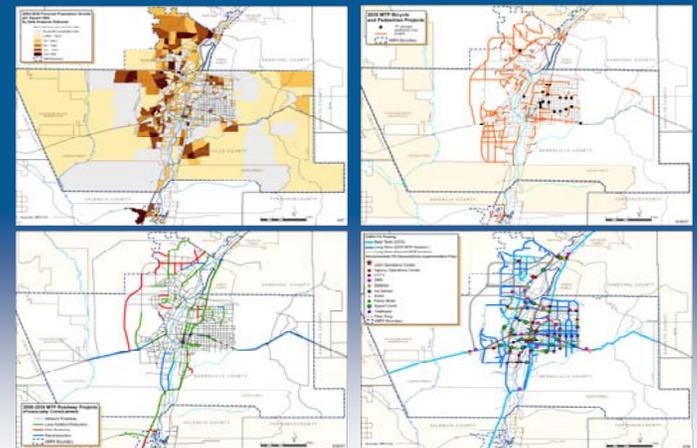
MTP Basics

- ◆ Long-range, 20-year time frame
- ◆ Effective date is date of Conformity Determination
- ◆ Include short and long range strategies/actions
- ◆ Multimodal
- ◆ Update every 4 years
- ◆ Based on latest available assumptions for population, land use, travel, employment, congestion, and economic activity



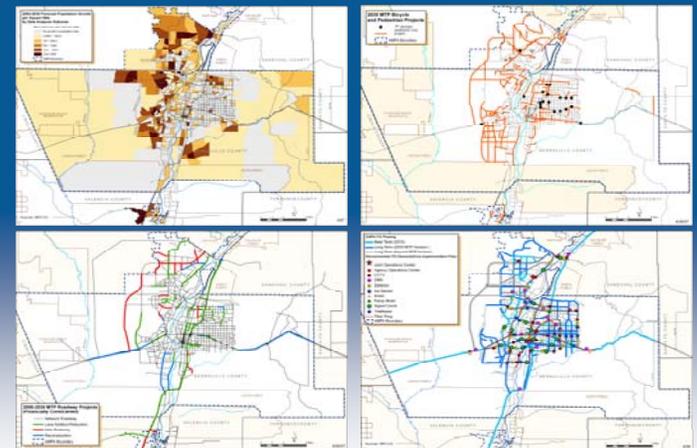
MTP Basics (continued)

- ◆ Projected transportation demand
- ◆ Existing and proposed facilities that function as an integrated system
- ◆ Operations and management strategies
- ◆ Consideration of results from a Congestion Management Process (CMP)
- ◆ Design concept and scope sufficient for conformity
- ◆ Potential environmental mitigations



MTP Basics (continued)

- ◆ Financial plan
- ◆ Coordination with appropriate agencies
- ◆ Safety
- ◆ Security
- ◆ Public involvement
- ◆ Conformity determination



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MTP Basics (continued)

◆ Issues & Challenges

- ◆ Rapid Population Growth & Land Development Patterns
- ◆ Congested Roadways
- ◆ “Crossing the River”
- ◆ Transit service: quality & convenience
- ◆ Bicycle facilities and connectivity
- ◆ Pedestrian access
- ◆ Crashes and safety
- ◆ Air quality
- ◆ Limited transportation funding
- ◆ Climate Change



MTP Basics (continued)

- ◆ Goals (recommended for 2035 MTP)
 - ◆ Preserve and Improve Quality of Life
 - ◆ Mobility of People and Goods
 - ◆ Support Economic Activity and Growth



MTP Basics (continued)

- ◆ The 2035 MTP
 - ◆ Agency and public kickoff meetings
 - ◆ MTP Steering Committee
 - ◆ 2008 base-year conditions largely complete
 - ◆ Currently working on interim and horizon-year analyses
 - ◆ Articulating objectives and performance measures for goals
 - ◆ MTB briefings through June 2011

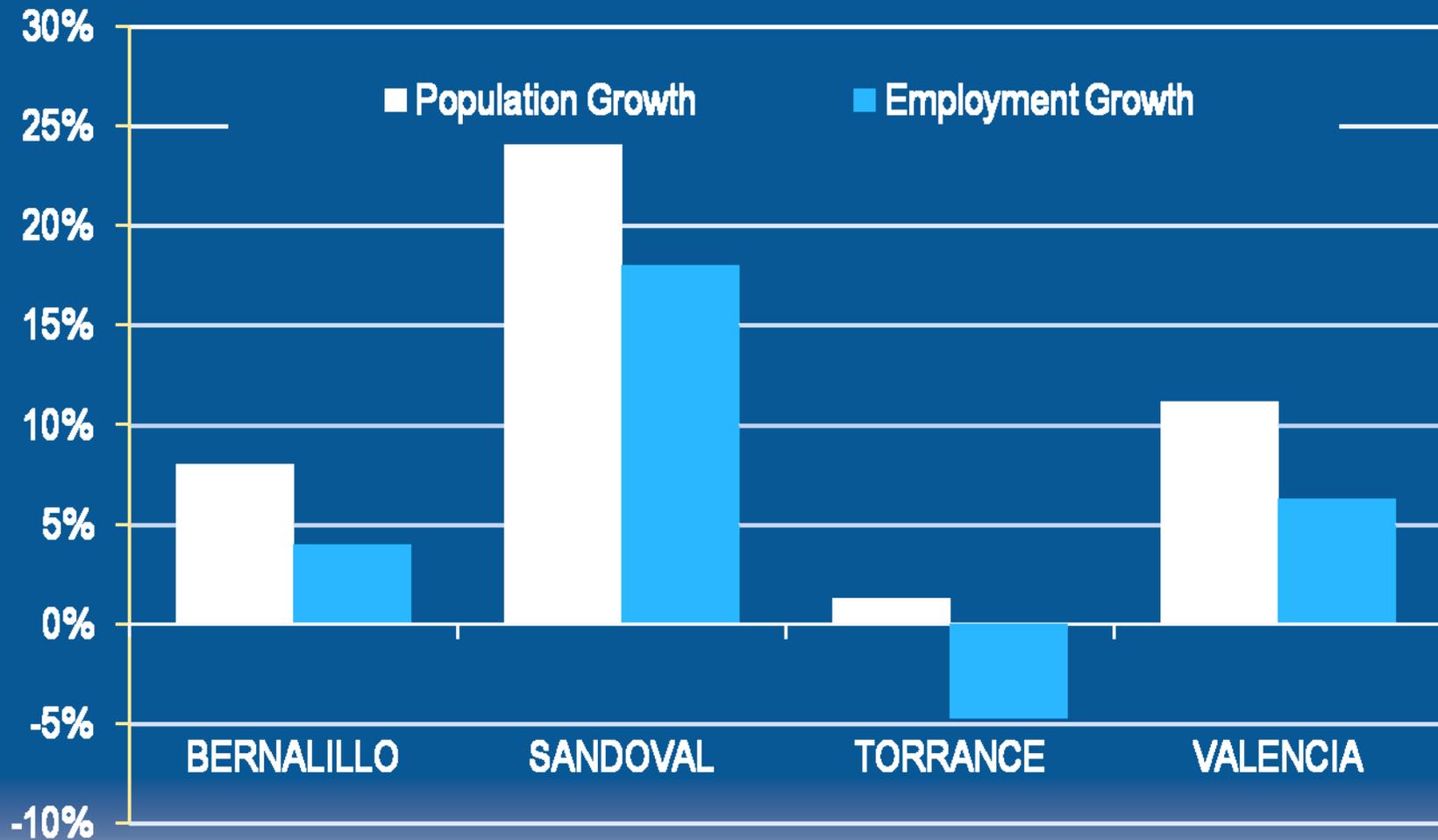


County Snapshot, 2008

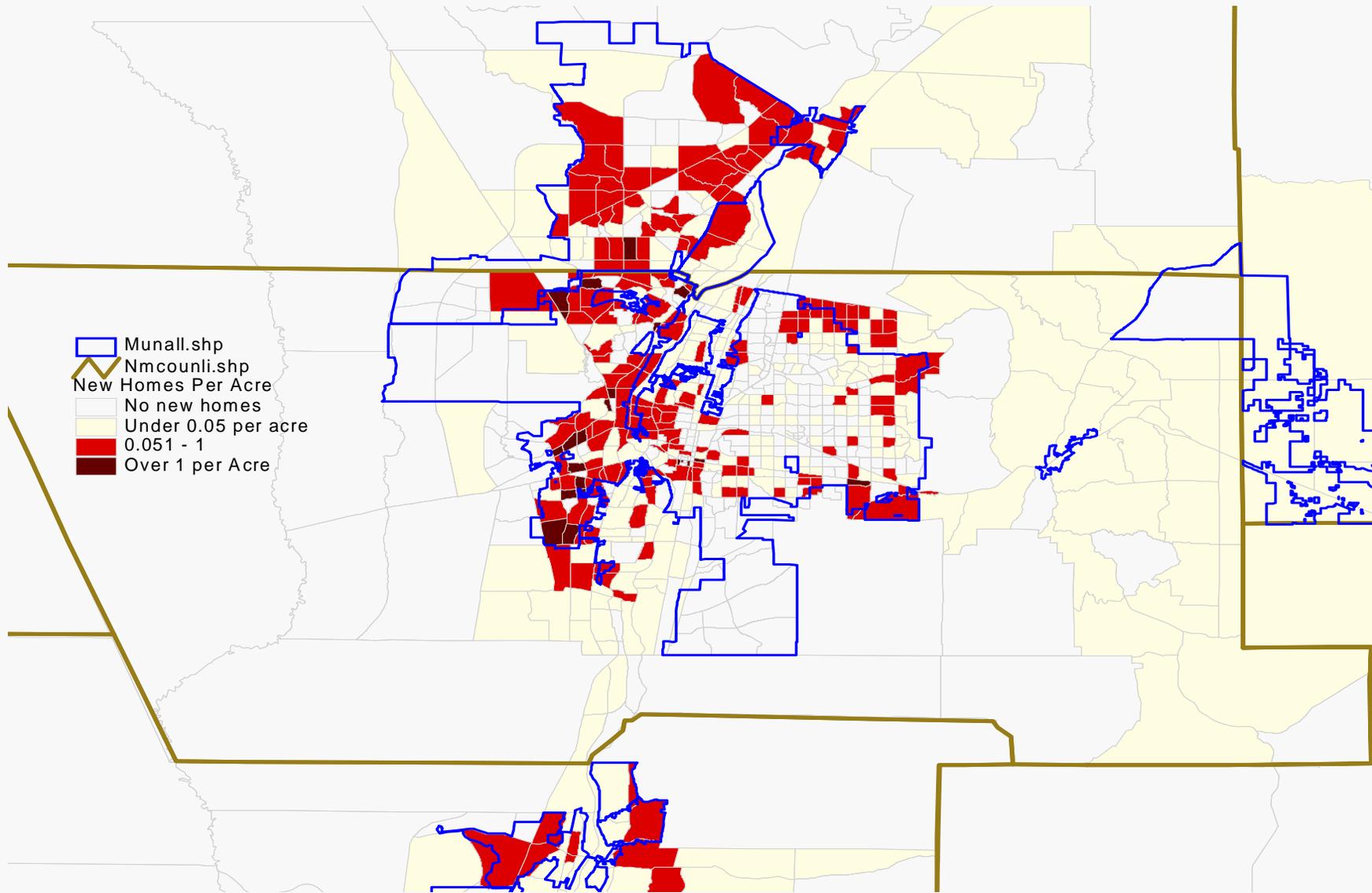
2008	POPULATION	EMPLOYMENT
BERNALILLO	649,916	361,456
SANDOVAL	127,928	36,082
TORRANCE	17,923	4,333
VALENCIA	77,545	18,548
TOTAL	873,312	420,419



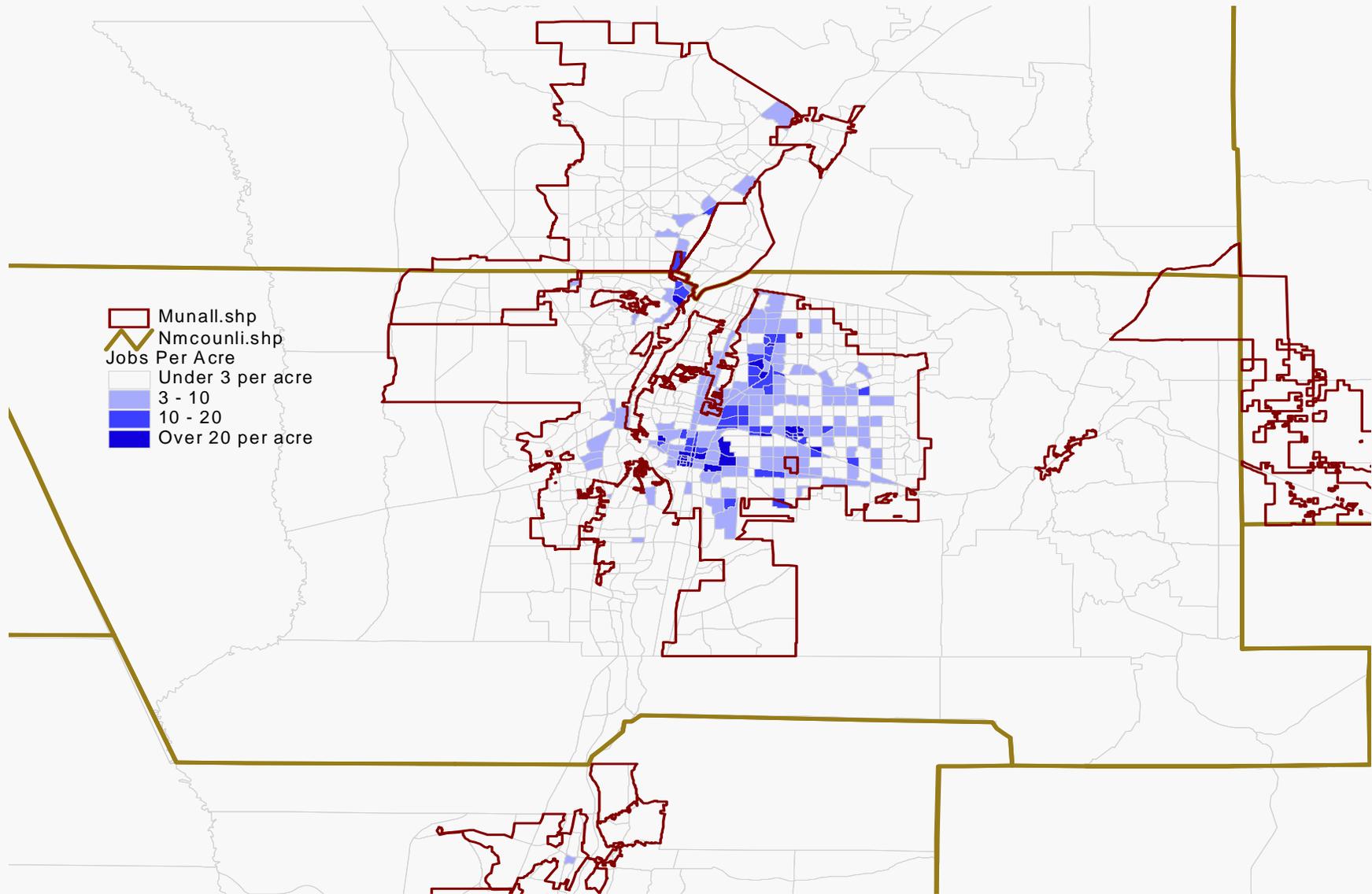
County Growth, 2004 - 2008



New Housing, 2004 - 2008



2008 Employment Distribution



New Population Projection

	2005	2015	2025	2035	% Growth 2005 - 2035
Bernalillo	614,508	811,861	993,650	1,166,590	90%
Sandoval	107,104	144,087	182,592	217,806	103%
Torrance	18,282	22,184	26,990	31,007	70%
Valencia	71,459	89,045	107,294	123,212	72%
4-County Area	821,202	1,079,691	1,325,935	1,538,616	87%

The 4-County Area is projected to top 1 million by 2015.
Key contributors to this growth are both migration
and an aging population.



Compared with the 2030 MTP Population Projection

	2030 Old	2030 New	Difference
Bernalillo	759,000	1,080,297	321,297
Sandoval	197,182	200,822	3,640
Torrance	27,479	29,132	1,653
Valencia	128,922	115,416	-13,506
4-County Area	1,112,583	1,425,668	313,085



Roadway Measures

PM Peak Hour and Daily Measures

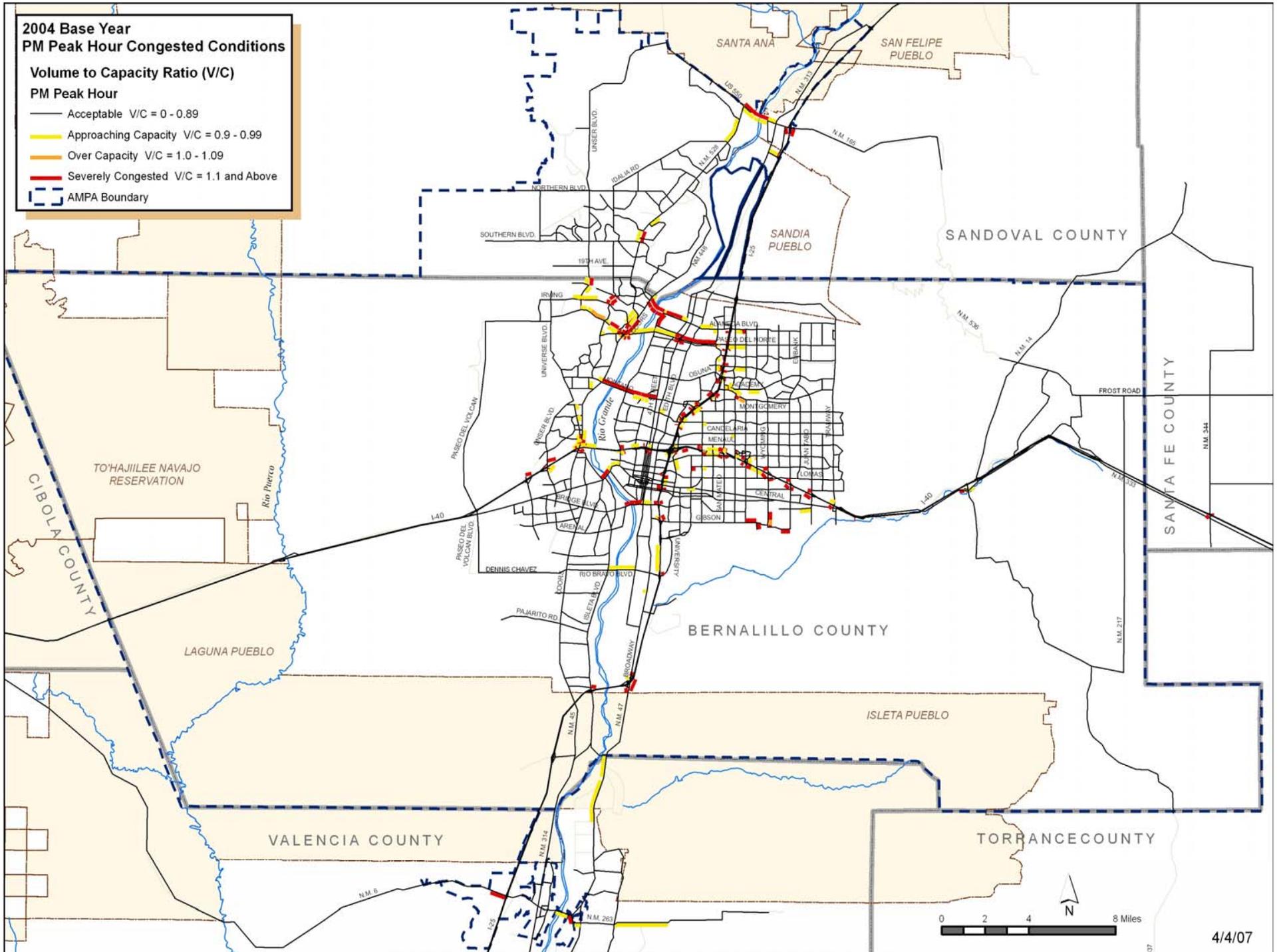
PM Pk Hr	2004	2008	% Change	Annual Growth Rate
VMT	1,446,673	1,631,621	12.8%	3.1%
VHT	38,048	45,944	20.8%	4.8%
VHD	6,819	10,602	55.5%	11.7%
Lane Miles Congested	122	192	57.6%	12.1%
Daily				
VMT	16,130,468	18,136,752	12.4%	3.0%
VMT/Capita	23.67	23.9	0.8%	0.2%
Socioeconomics/Model Input				
Population	683,494	758,769	11.0%	2.6%
Employment	380,132	397,619	4.6%	1.1%

**2004 Base Year
PM Peak Hour Congested Conditions**

Volume to Capacity Ratio (V/C)

PM Peak Hour

- Acceptable V/C = 0 - 0.89
- Approaching Capacity V/C = 0.9 - 0.99
- Over Capacity V/C = 1.0 - 1.09
- Severely Congested V/C = 1.1 and Above
- AMPA Boundary

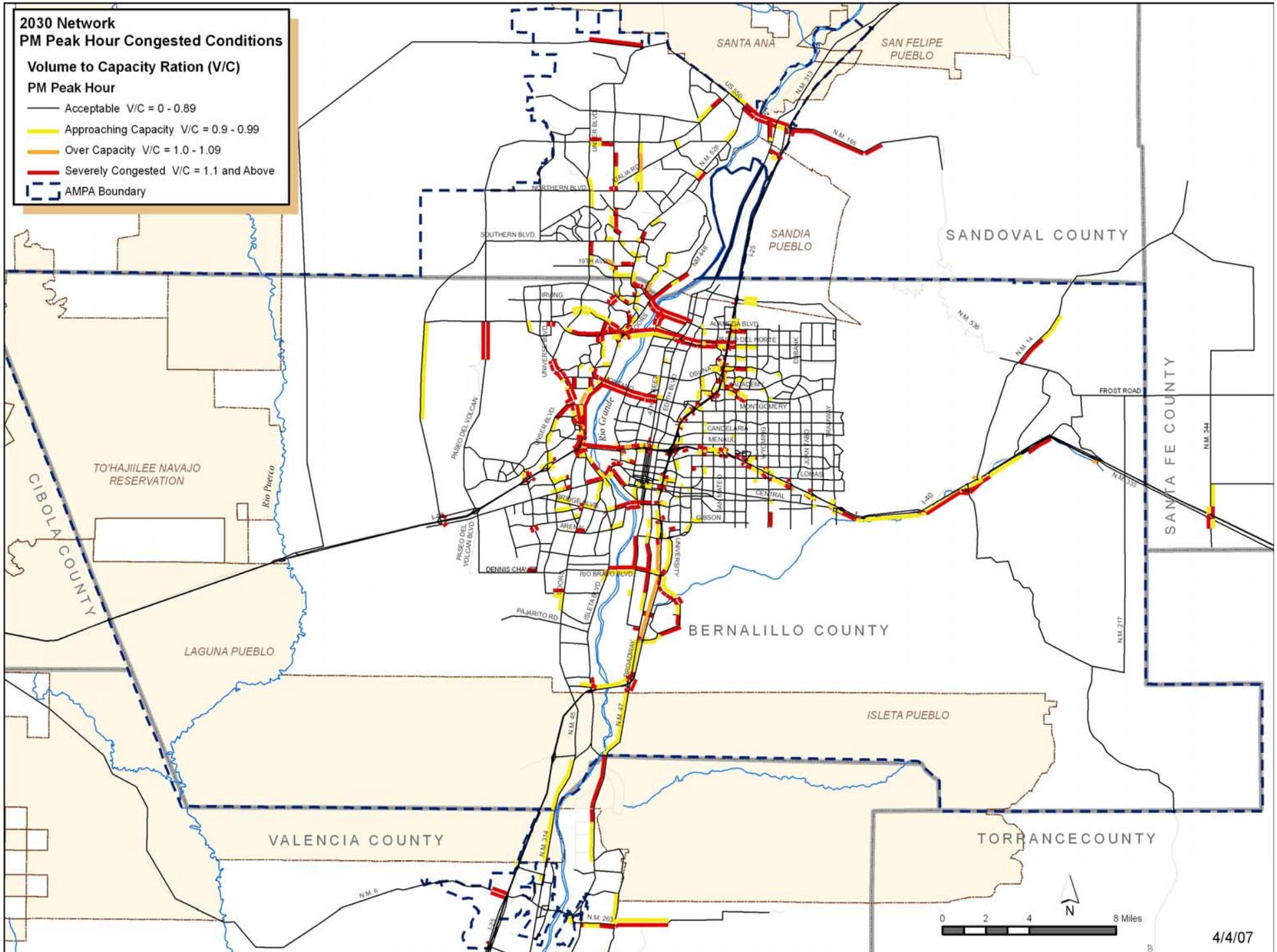


**2030 Network
PM Peak Hour Congested Conditions**

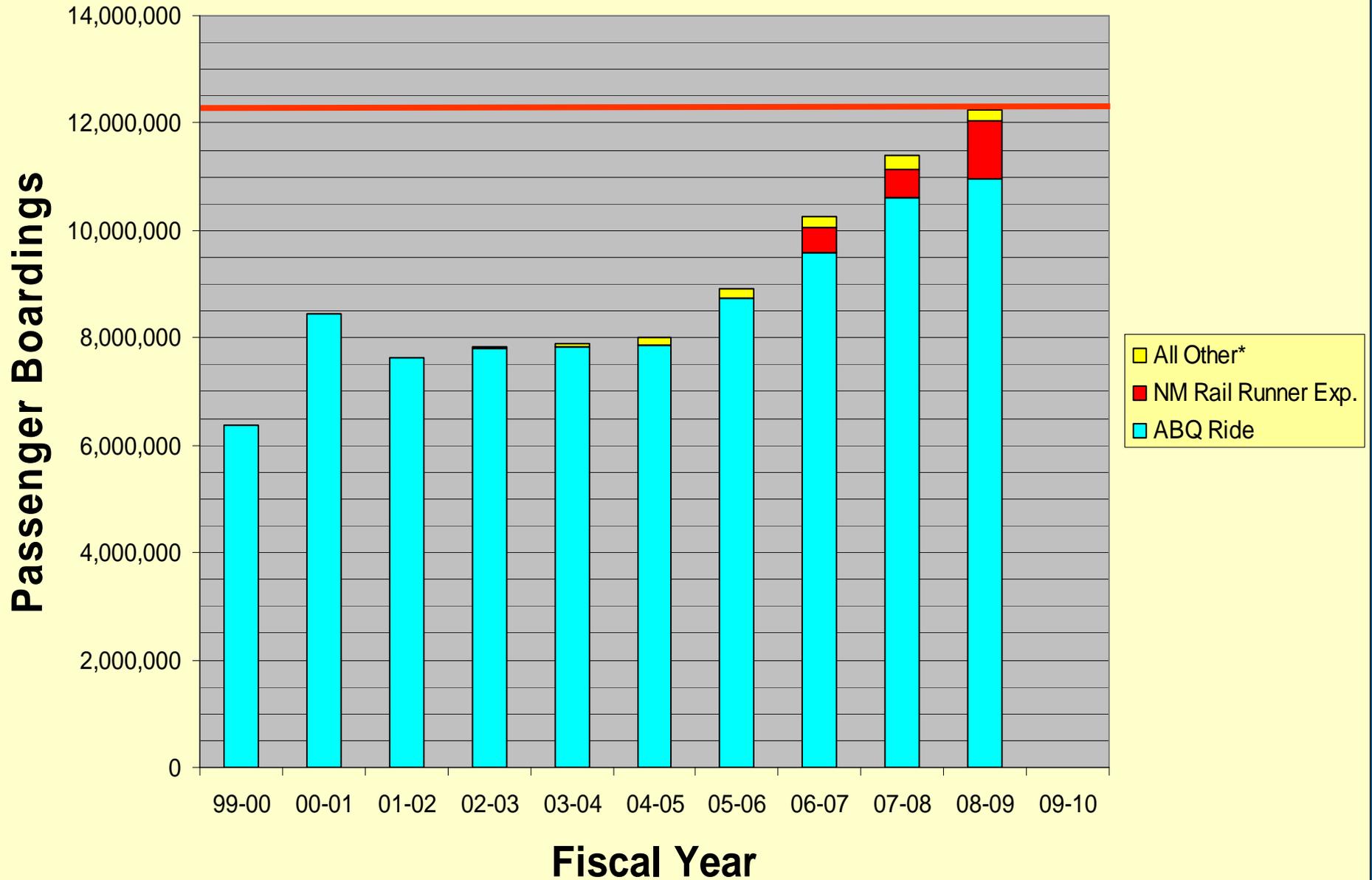
Volume to Capacity Ratio (V/C)

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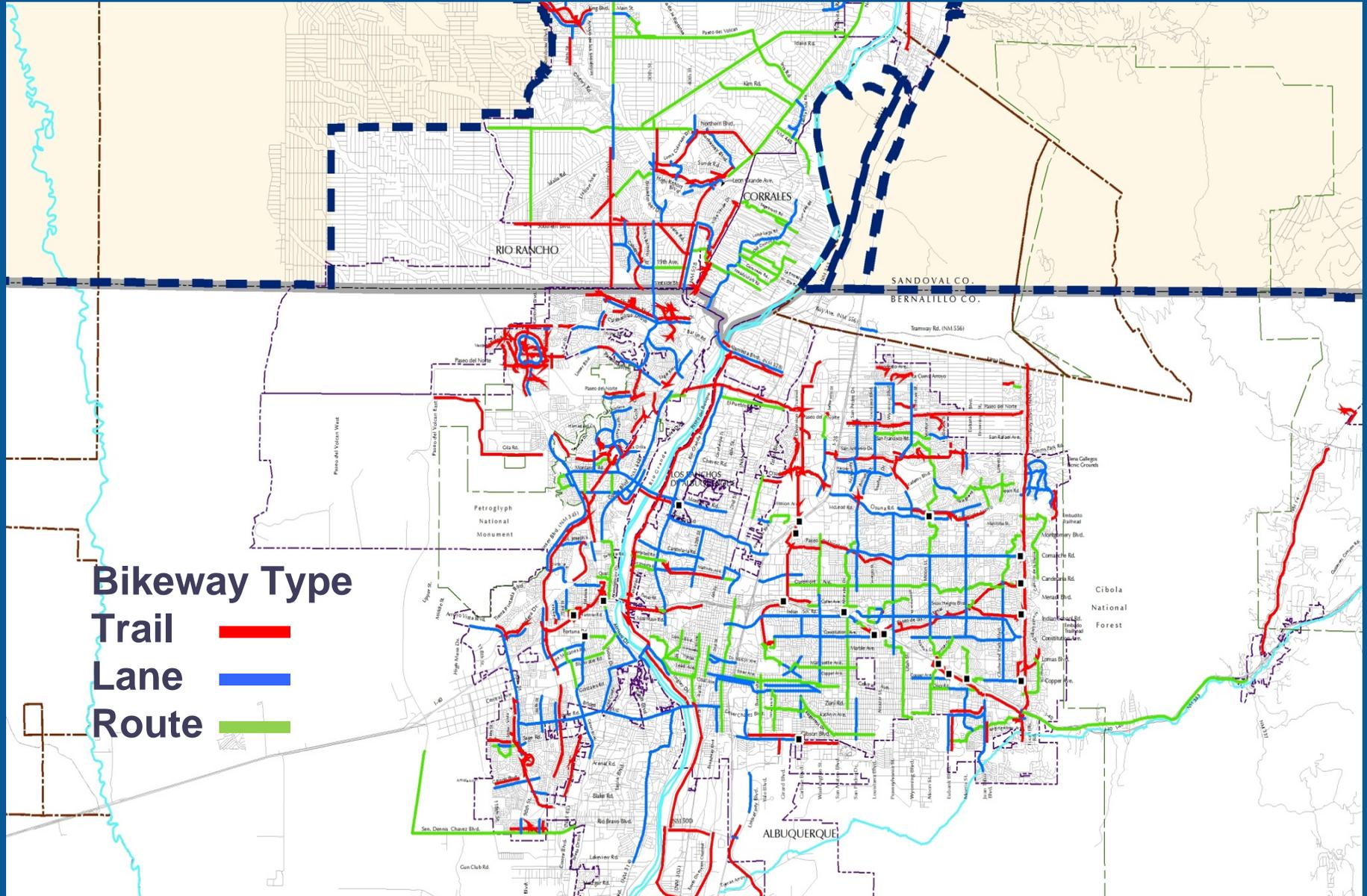
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Transit Ridership in the Albuquerque Metropolitan Statistical Area

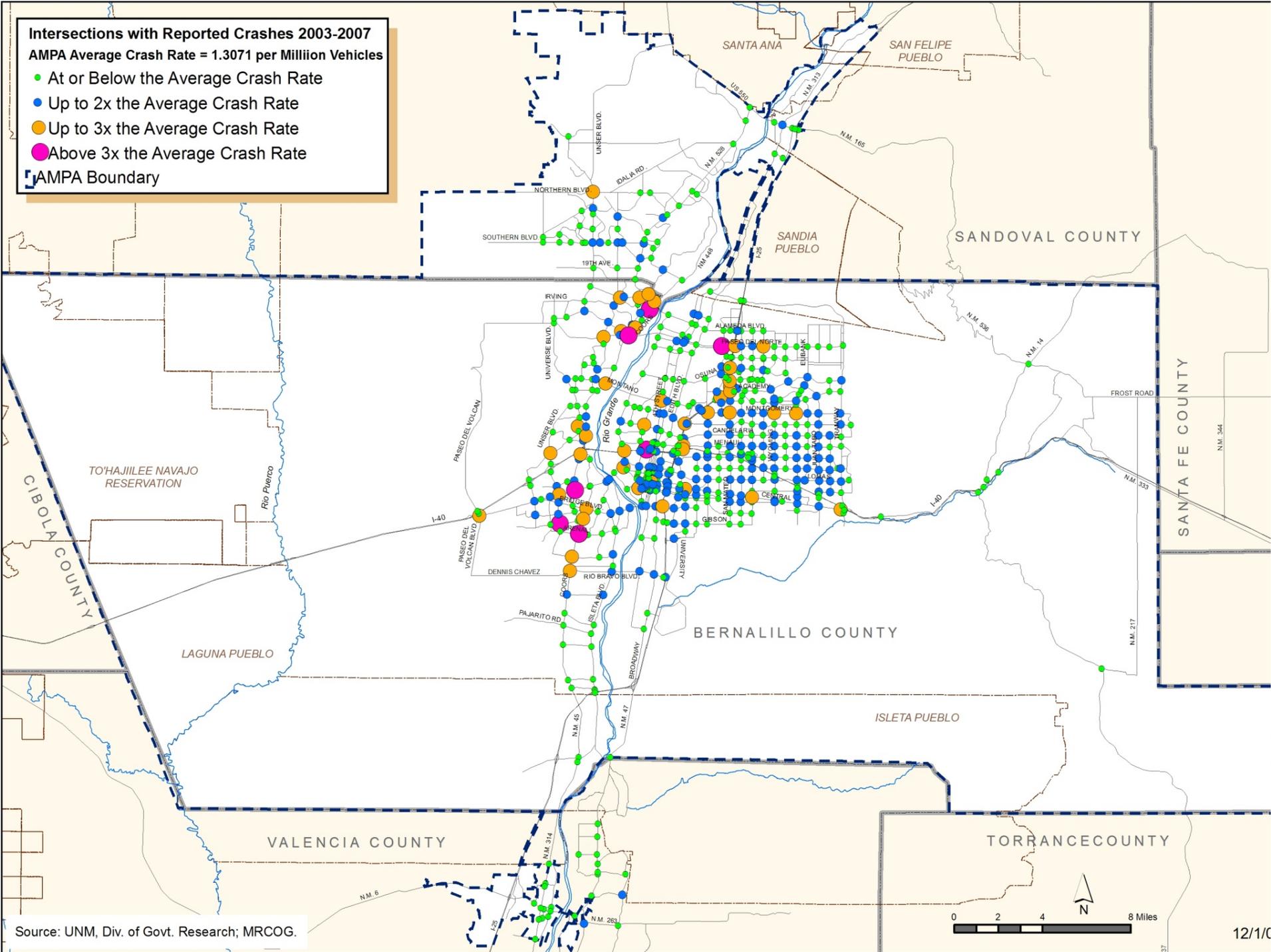


2008 Bikeway Facilities



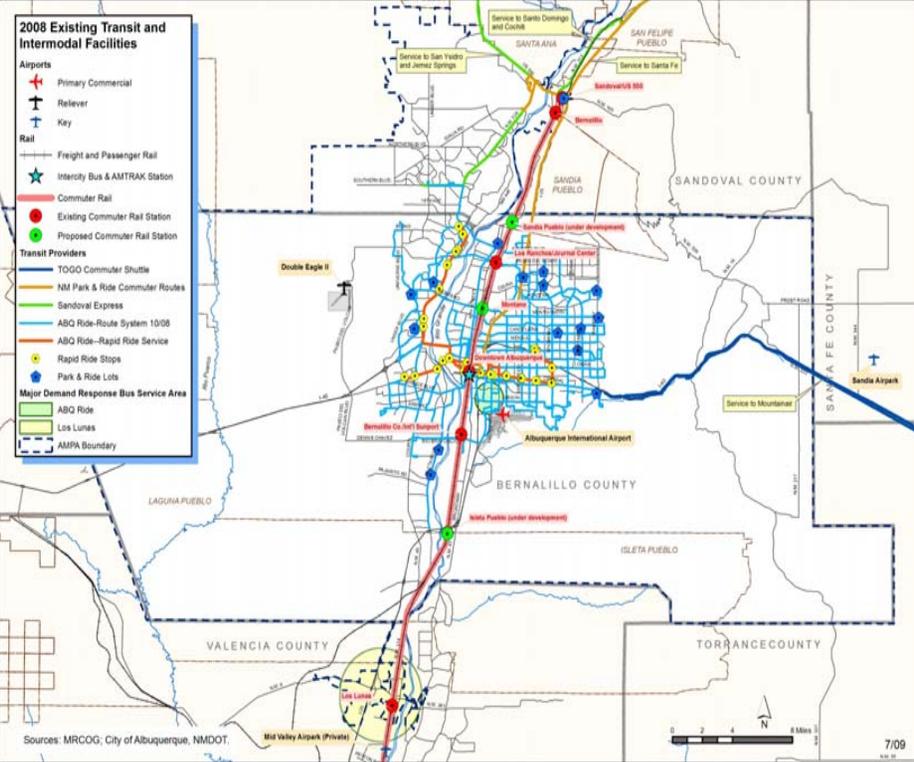
Intersections with Reported Crashes 2003-2007
AMPA Average Crash Rate = 1.3071 per Million Vehicles

- At or Below the Average Crash Rate
- Up to 2x the Average Crash Rate
- Up to 3x the Average Crash Rate
- Above 3x the Average Crash Rate
- ▭ AMPA Boundary

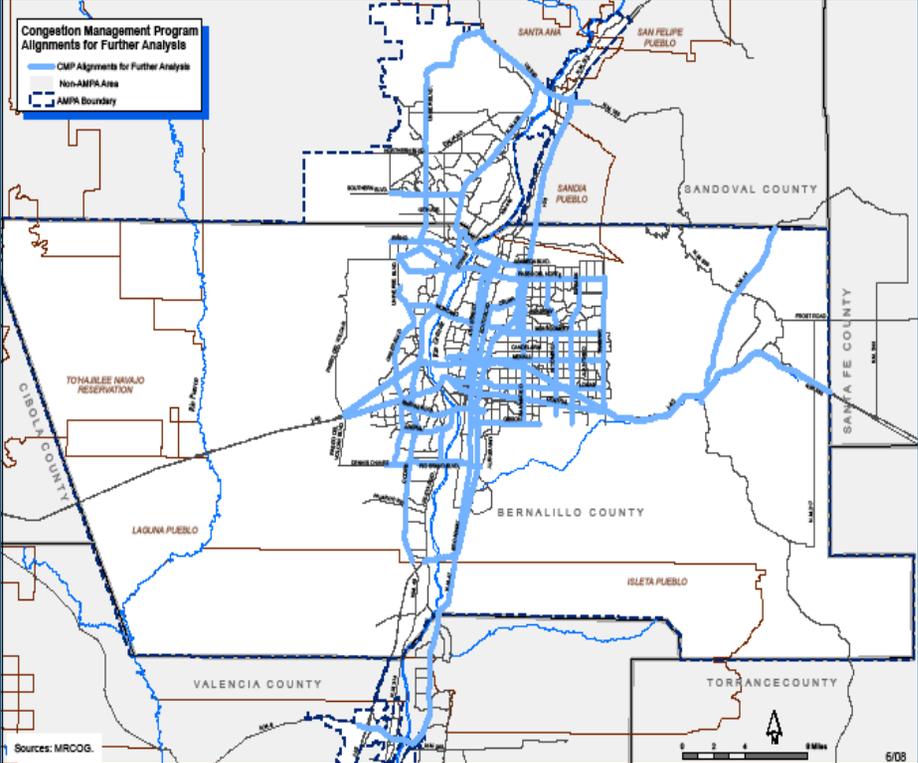


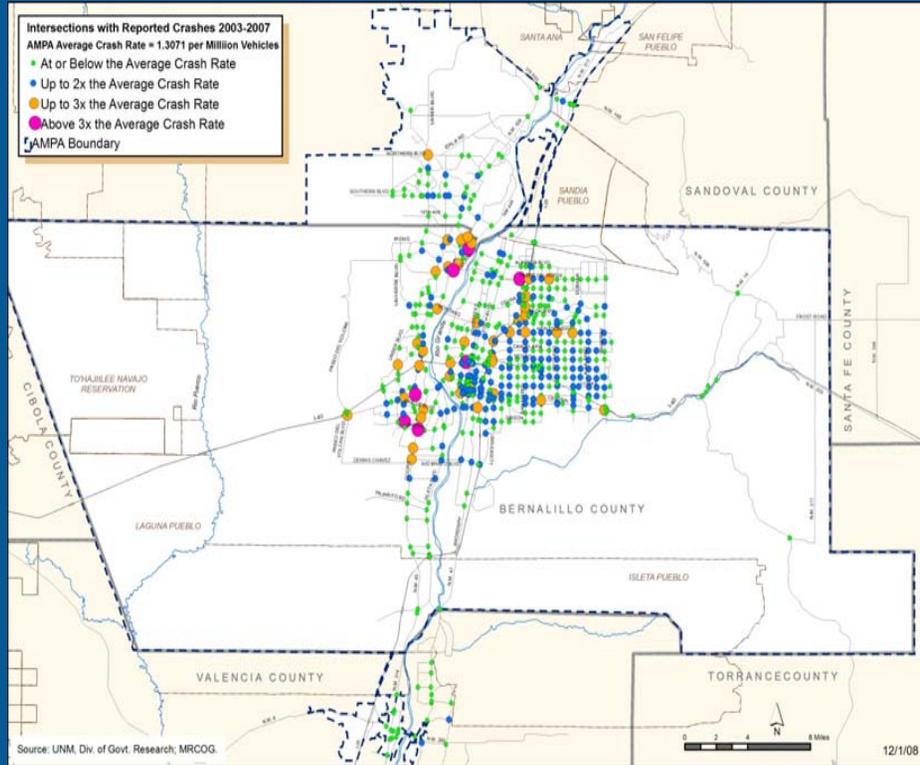
Source: UNM, Div. of Govt. Research; MRCOG.

Transit Facilities



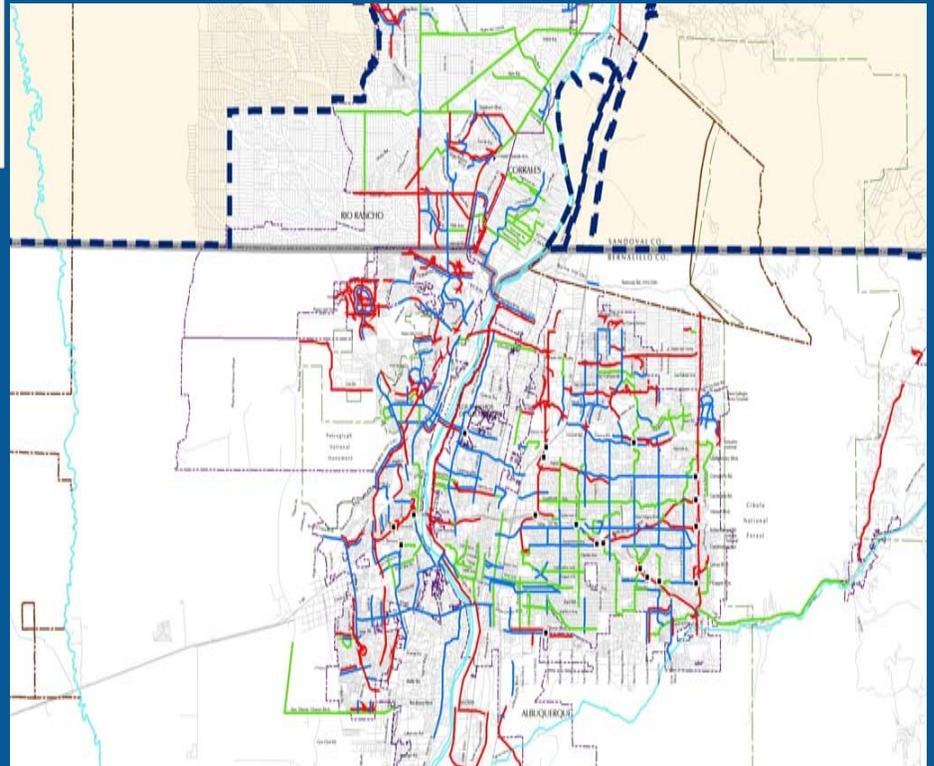
Congested Roadways





Crash Data

Bicycle Facilities



Questions/Comments

Web – www.mrcog-nm.gov

Jack A. Lord, AICP

Transportation Program Manager

Tel – 724-3632

Email – jlord@mrcog-nm.gov

MTPcomments@mrcog-nm.gov



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