

Fairfax County Comprehensive Plan 2001-2005 Policy Plan Review Cycle

Transportation Plan Update Public Meetings March 1- March 14, 2005

Fairfax County
Department of Transportation



Presentation Outline



- 1. Purpose of Public Meetings**
- 2. Transportation Plan**
- 3. Overview of Transportation Plan Update**
- 4. Past, Present and Future of Transportation System**
- 5. Public Involvement**

1. Purpose of Public Meetings



- Introduce plan update background and process
- Understand growth and challenges to the County transportation system
- Engage the public in discussion and review of the Transportation Plan

Your input is important to this Transportation Plan!

1. Purpose of Public Meetings



The Transportation Plan is

- A tool for reserving right-of-way when development occurs
- A means of communication with the public about the County's transportation policies
- A guide for programming and financing of transportation projects
- **In Virginia, the State is responsible for implementing transportation improvements based on the local jurisdiction's transportation plan**

2. Transportation Plan



Comprehensive Plan

is a guide for the decision-making about the built and natural environment of the County

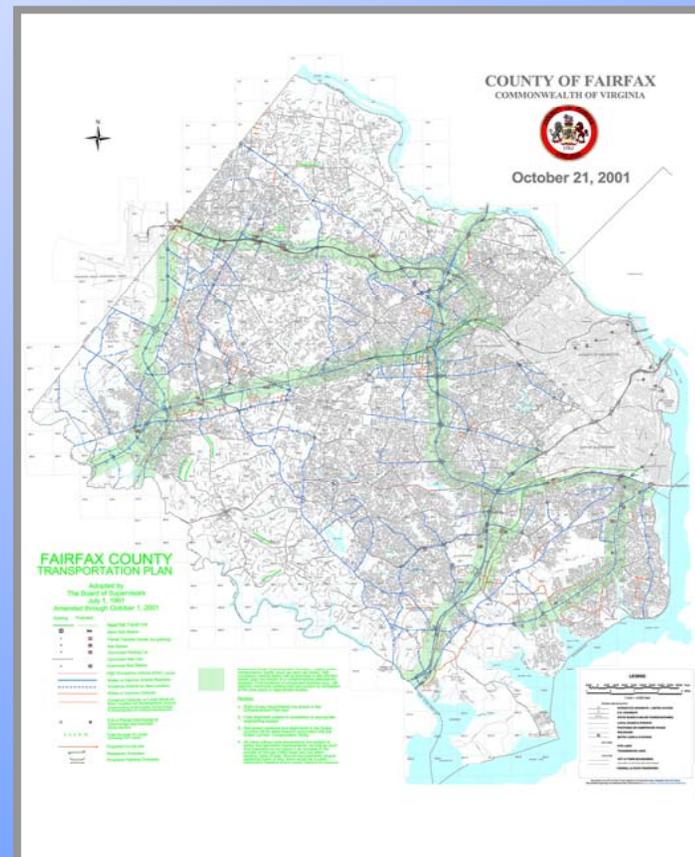
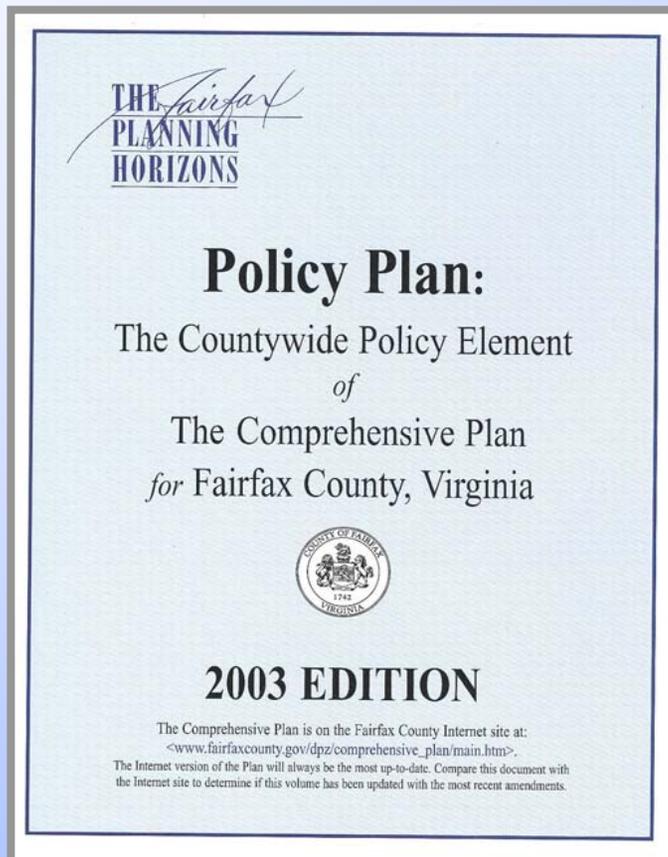
Transportation Plan

is an element of the Comprehensive Plan's Policy Plan

2. Transportation Plan



The County has developed a multi-modal transportation system based on the blueprint in our Plan



2. Transportation Plan



What is in the Transportation Plan?

- Goal, Objectives and Policies
- Countywide Transportation Plan Map
- Functional Classification of Roadway and Transit Systems
- Roadway Right-of-Way Requirements

Where can I find the Plan document?

- Public Libraries
- Planning Commission Office
- Department of Planning and Zoning
- Online:

<http://www.fairfaxcounty.gov/dpz/comprehensiveplan>

3. Overview of Plan Update



Background:

- **Major Plan Review during the Planning Horizons (1988-1991)**
 - **Policy Plan, including the Countywide Transportation Policies, adopted in 1990**
 - **Area Plans and Transportation Plan Map adopted in 1991**
- **Studies and Amendments since 1991**
 - **1996 Policy Plan Review**
 - **Area Plan Review, Out-of-Turn Plan Amendment and Special Studies**
- **2001-2005 Policy Plan Review Cycle**
 - **Transportation Plan Update: 2004-2005**

3. Overview of Plan Update



***And we have accomplished
substantial system
development since 1991...***



3. Overview of Plan Update

Milestones of System Development...

Major Roads:

- **Fairfax County Parkway, starting construction in 1985, is near completion**
- **Franconia-Springfield Parkway was built between 1988 and 1995**
- **Route 123 widening took place in 2001 and will be completed by 2006**
- **I-95-395/495 interchange improvements started in 1999 with completion anticipated in 2007**
- **Other road widenings: Telegraph Road, Braddock Road, Stringfellow Road, Dranesville Road...**

3. Overview of Plan Update



Milestones of System Development...

Public Transportation:

- Metrorail opened the Franconia-Springfield Station in 1997 and completed the original 103-mile service by 2001
- VRE commuter service opened in 1992 with 5 stations
- FAIRFAX CONNECTOR has undergone continuous improvements, including 1999 Dulles corridor bus service expansion and 2004 south county bus service improvement

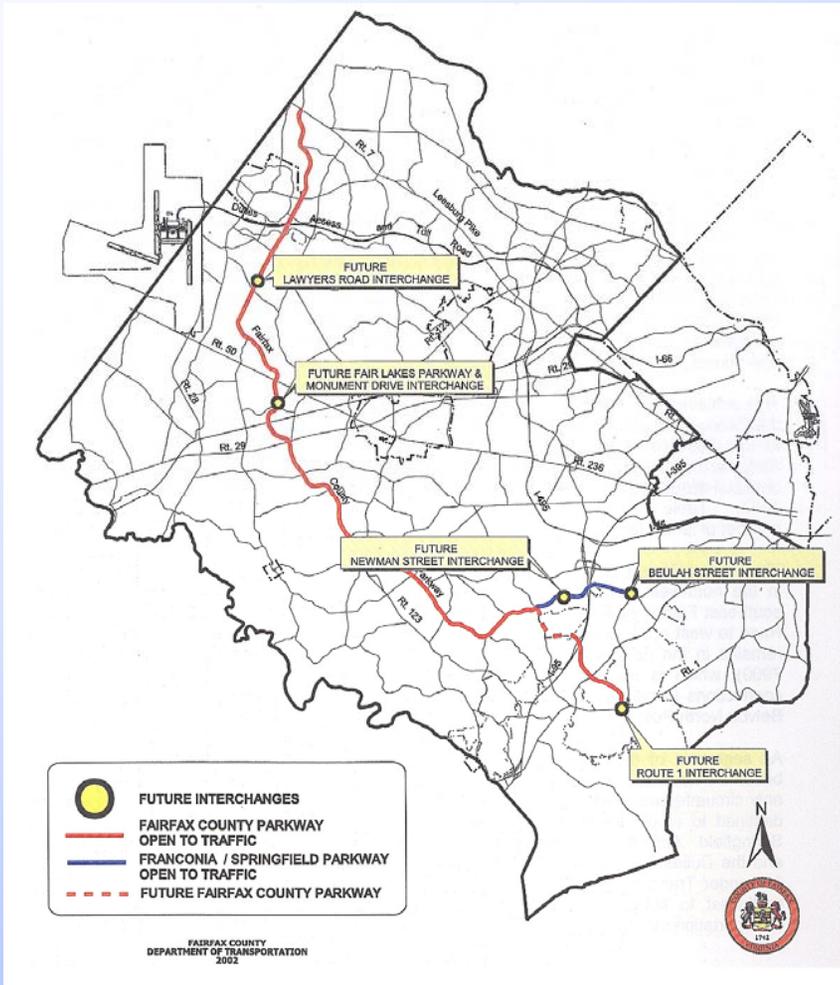
HOV:

- I-95 HOV improvements were undertaken in mid-1990s
- I-66 HOV lanes and ramps outside I-495 were constructed during the early 1990s
- Dulles Toll Road HOV lanes opened in 1999

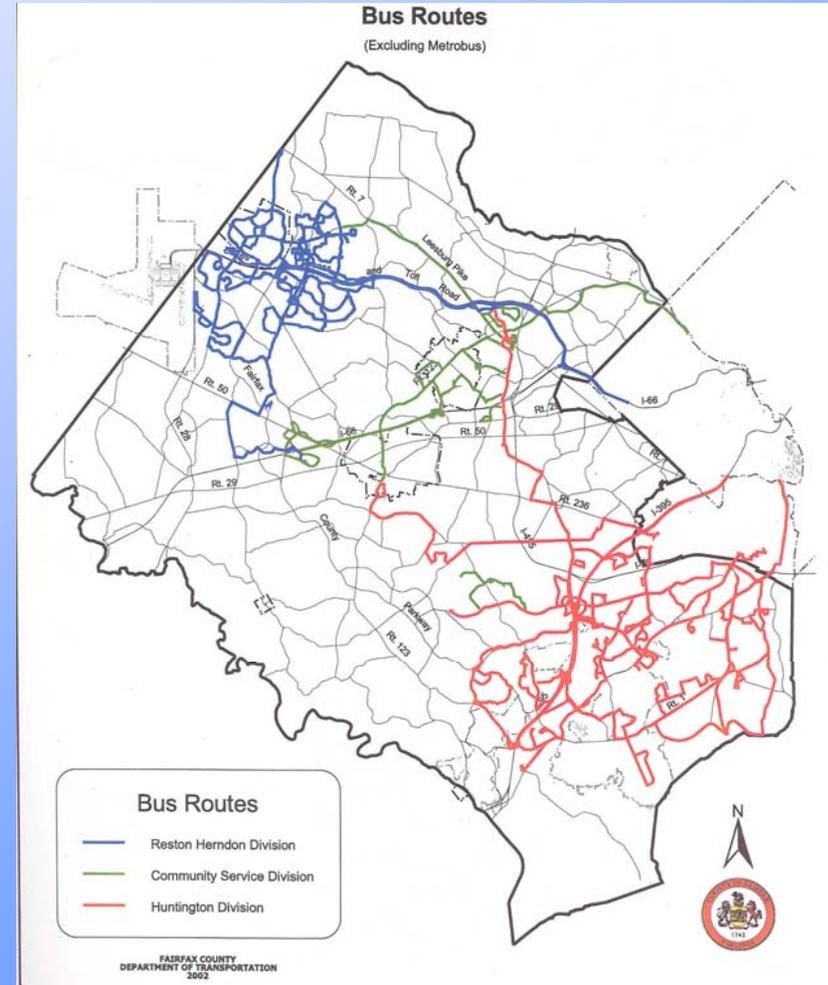
3. Overview of Plan Update



Fairfax County Parkway Completed Sections 1985 - 2003



Fairfax Connector System Service Expansion 1985 - 2003



3. Overview of Plan Update



Milestones of System Development...

Park-and-Rides/Transit Centers:

- Reston South Park-and-Ride (1993)
- Centreville Park-and-Ride (1994)
- Reston East Park-and-Ride (1997)
- Herndon-Monroe (1999)
- Tysons West Transit Center (1999)
- Sydenstricker Park-and-Ride (2000)
- Stringfellow Park-and-Ride (2001)
- Metrorail Vienna Station Parking Expansion (2001)
- Metrorail Franconia-Springfield Parking Expansion (2003)
- Metrorail West Falls Church Parking Expansion (2004)

3. Overview of Plan Update



Purpose of Plan Update:

- Provide an up-to-date picture of the transportation system performance for the present and future years (2030)

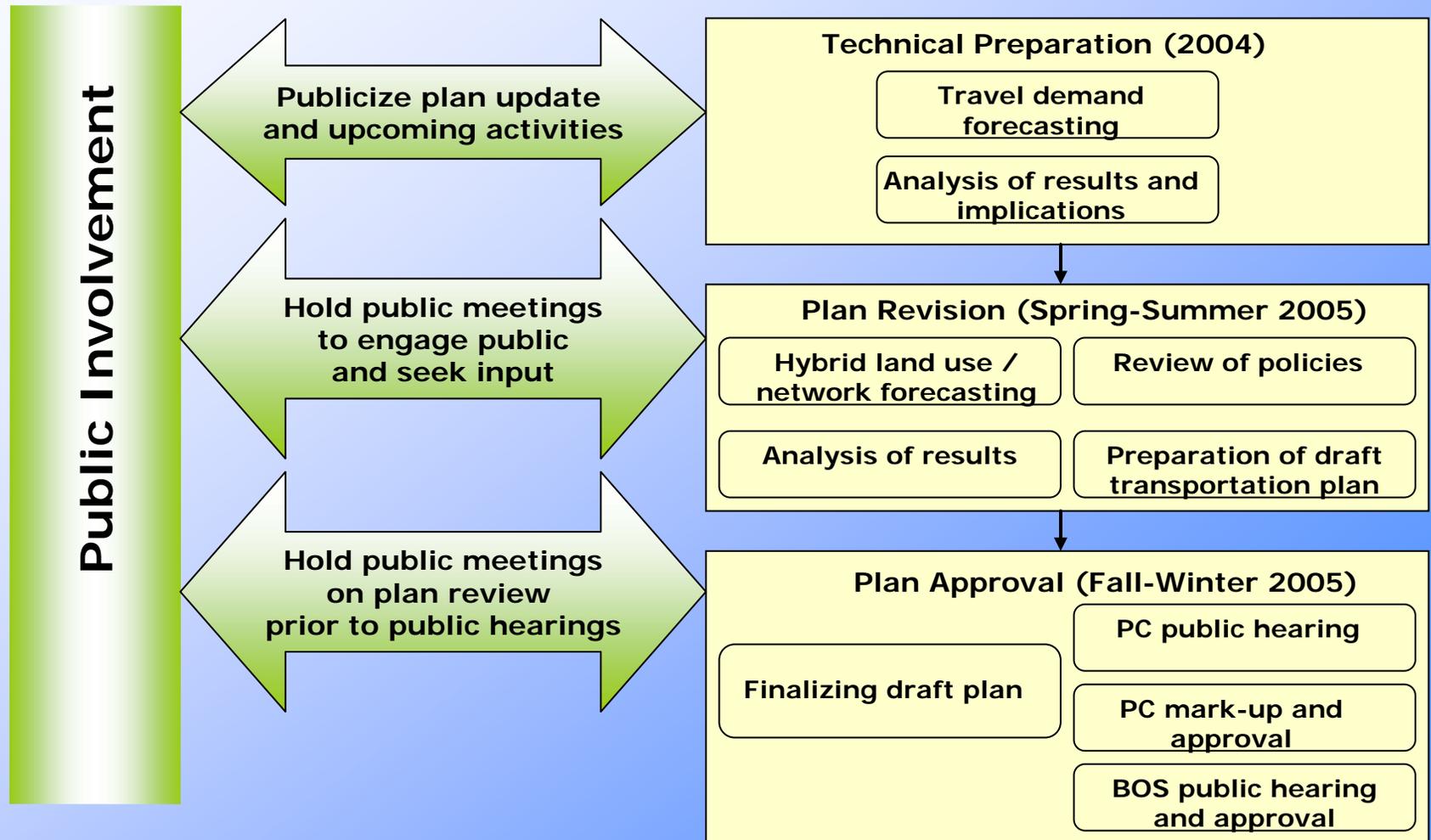
Travel demand forecasting is undertaken to test the impacts of transportation network improvement alternatives and land use futures

- Review and update policies, maps and other plan elements to guide future development and improvement

3. Overview of Plan Update



Process:



4. Past, Present and Future

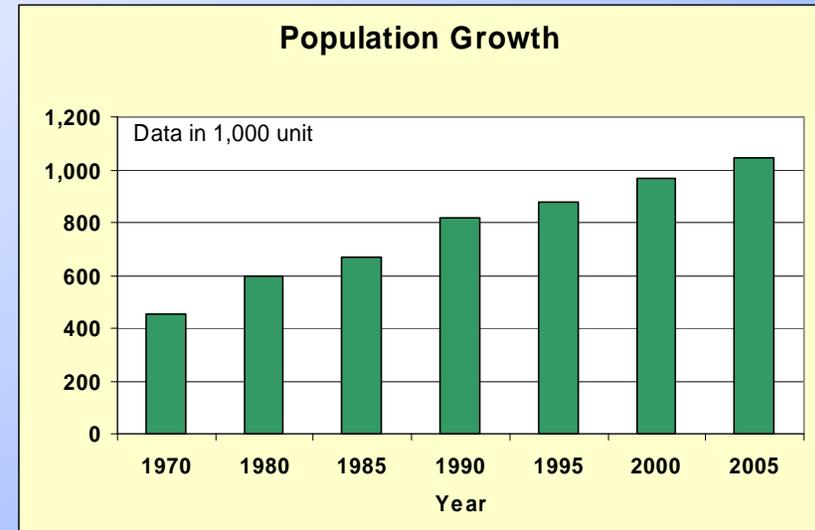


How much have we grown?

4. Past, Present and Future



- The County is home to over 1 million people and 380,000 households
- The County has become a premier center of commerce and technology in the nation, and has shared 20% of the DC region's job market
- From 1990 to 2005, population has grown by 28% and employment by 47%, and they will continue to grow...



4. Past, Present and Future



- **Population and economy are fundamental to transportation demand**
 - **Most trips, including working, shopping and recreations, originate from the home**
 - **Work trips occur at similar times of day, creating the typical rush hours in the morning and evening**
- **As a result, demand on our transportation system has experienced strong growth since 1991**

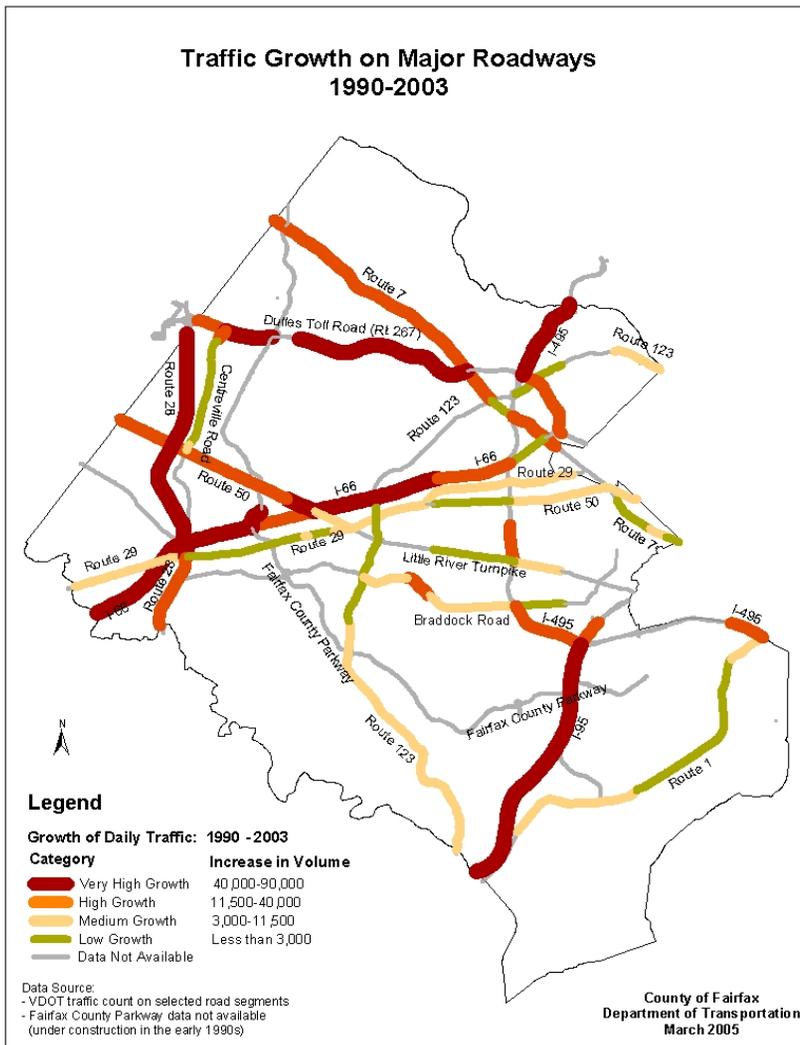
4. Past, Present and Future



Traffic on Roadways

By 2003:

- Freeways and expressways experienced significant increase in daily traffic since 1990: I-95, I-66, Dulles Toll Road, Beltway and Rt. 28
- Major arterials: Rt. 7 and Rt. 50, received high traffic volume increase over long segments



4. Past, Present and Future

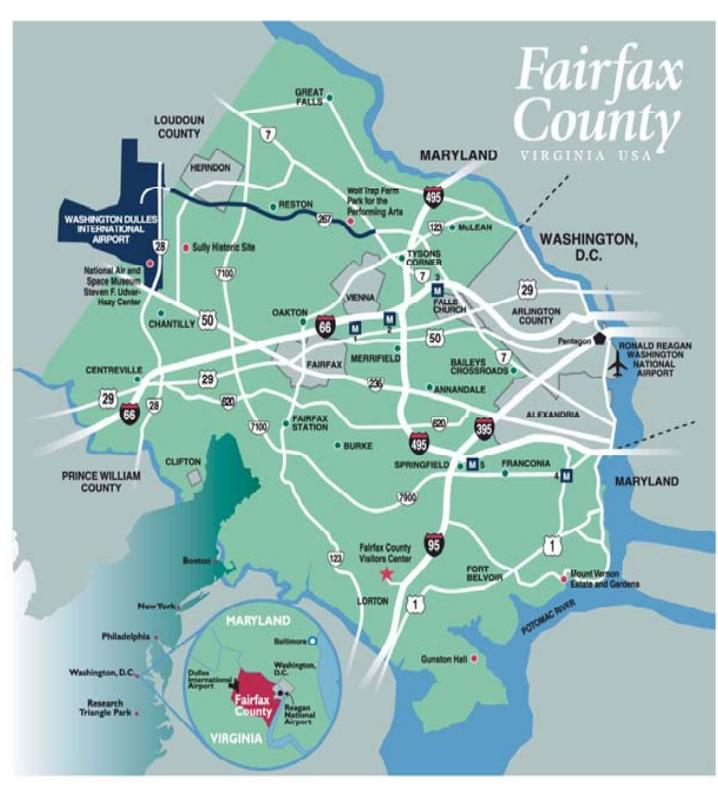


Usage of Public Transportation System

In 2003:

- **Bus system carried over 16 million passenger trips on Fairfax Connector and Metrobus**
- **Rail system, including Metrorail and VRE, had an annual boarding of 28 million in the County**
- **Park-and-Rides, including leased and public facilities and parking at rail stations, provided over 20,000 parking spaces to transit and carpool users**

4. Past, Present and Future



Map Source: Fairfax County Economic Development Authority

- The County is vital to the economy of the Washington D.C. Metropolis and the State of Virginia; 13 of the 58 DC region's employment centers are here
- The County is a desirable place to live and work. It has good public schools, natural and cultural attractions and a multi-modal transportation network, providing mobility, accessibility and quality of life to our residents and businesses

4. Past, Present and Future



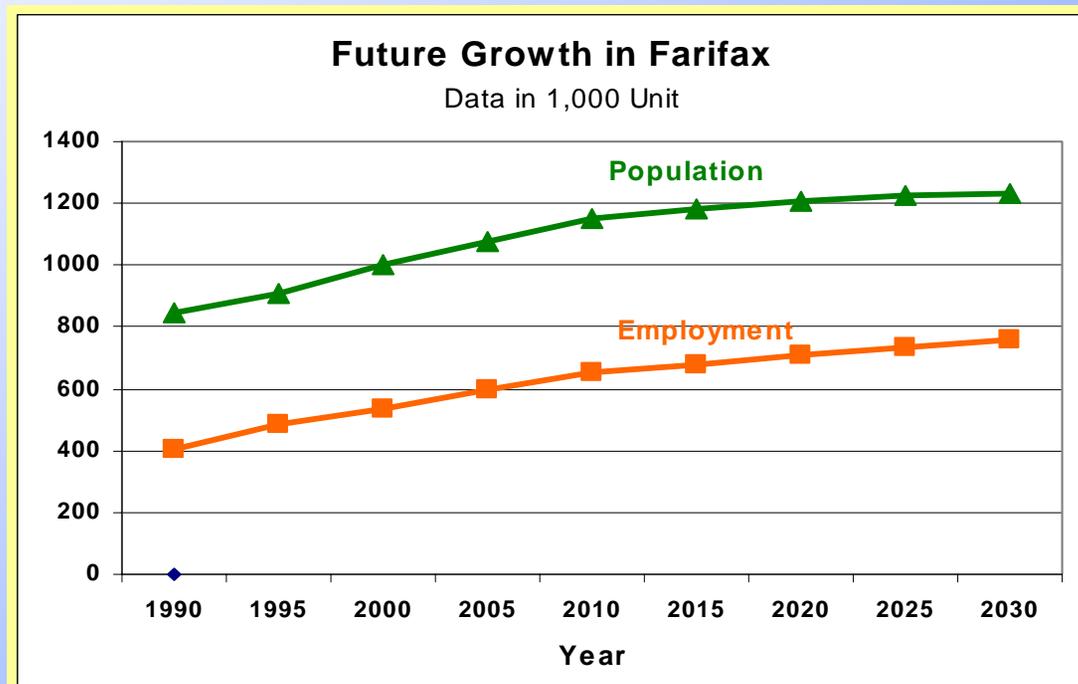
***How much will we
continue to grow?***

4. Past, Present and Future



In the next 25 years,

Population in Fairfax County will increase by 15%
and employment by 28%

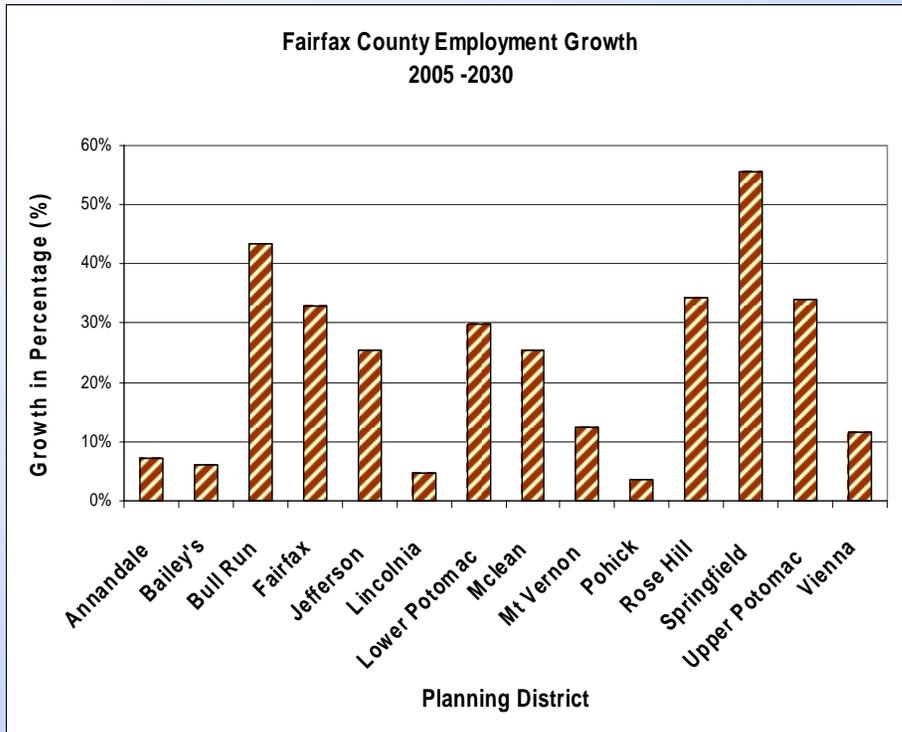


Data source: COG 6.4a cooperative forecasting

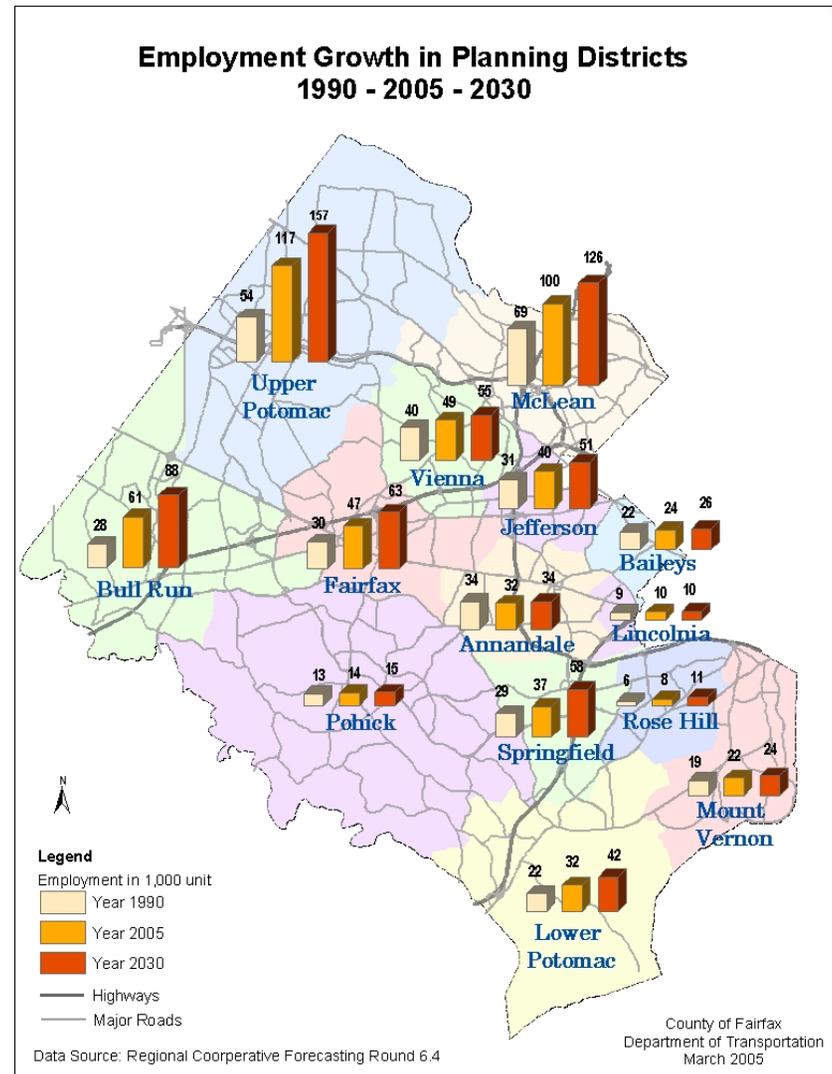
4. Past, Present and Future



➤ **Strong job growth will continue in County's employment centers**



Data source: COG 6.4a cooperative forecasting

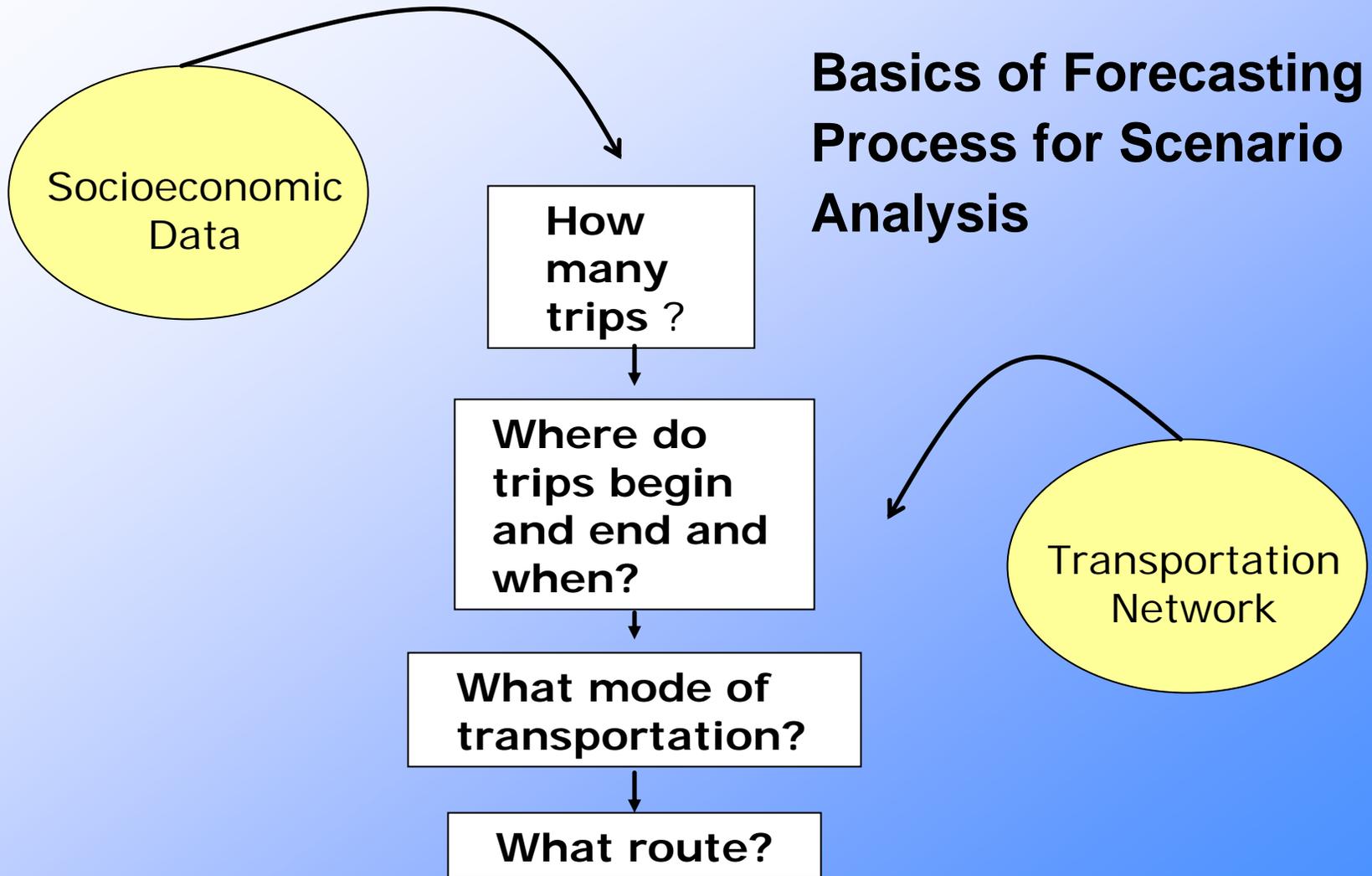


4. Past, Present and Future



***What will happen to our
transportation system?***

4. Past, Present and Future



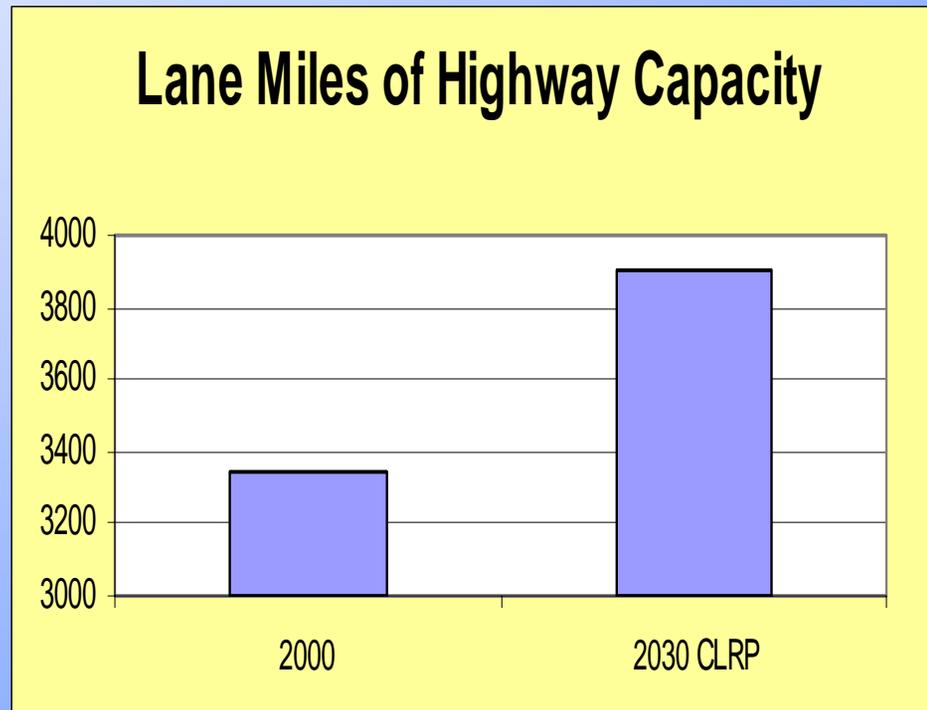
4. Past, Present and Future



Transportation Scenario Development

■ Scenario 1: 2030 Fiscally Constrained Regional Transportation Plan

- Based upon existing trends of land use development and economic growth into 2030
- Regionally significant projects, including rail to Dulles Airport

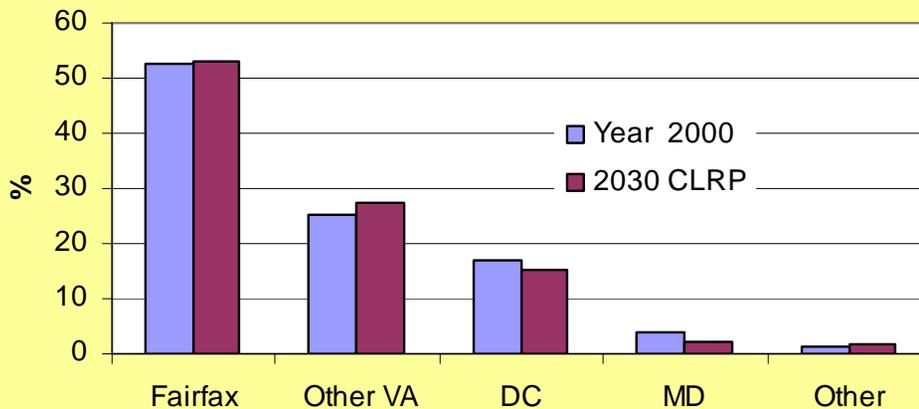


Source: MWCOG and Cambridge Systematics

4. Past, Present and Future



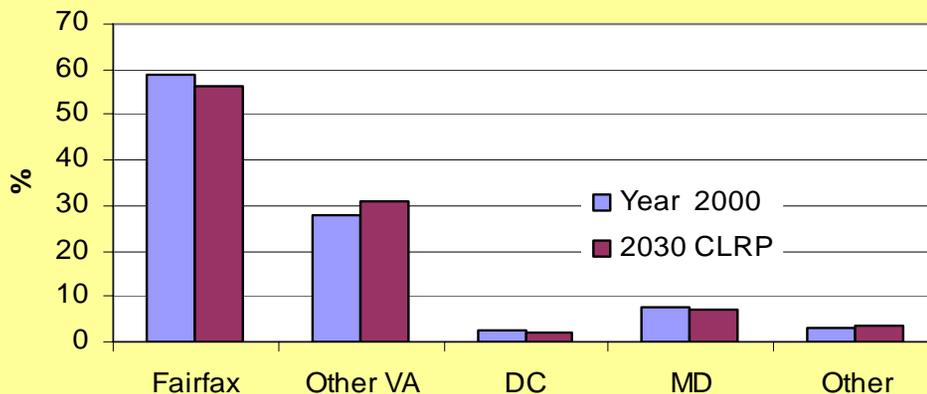
Destination of Work Trips from Fairfax County



➤ Over 50% of work trips begin and end in the County

➤ More Fairfax workers commute to Washington, D.C. than to any other non-VA jurisdiction

Origin of Work Trips to Fairfax County

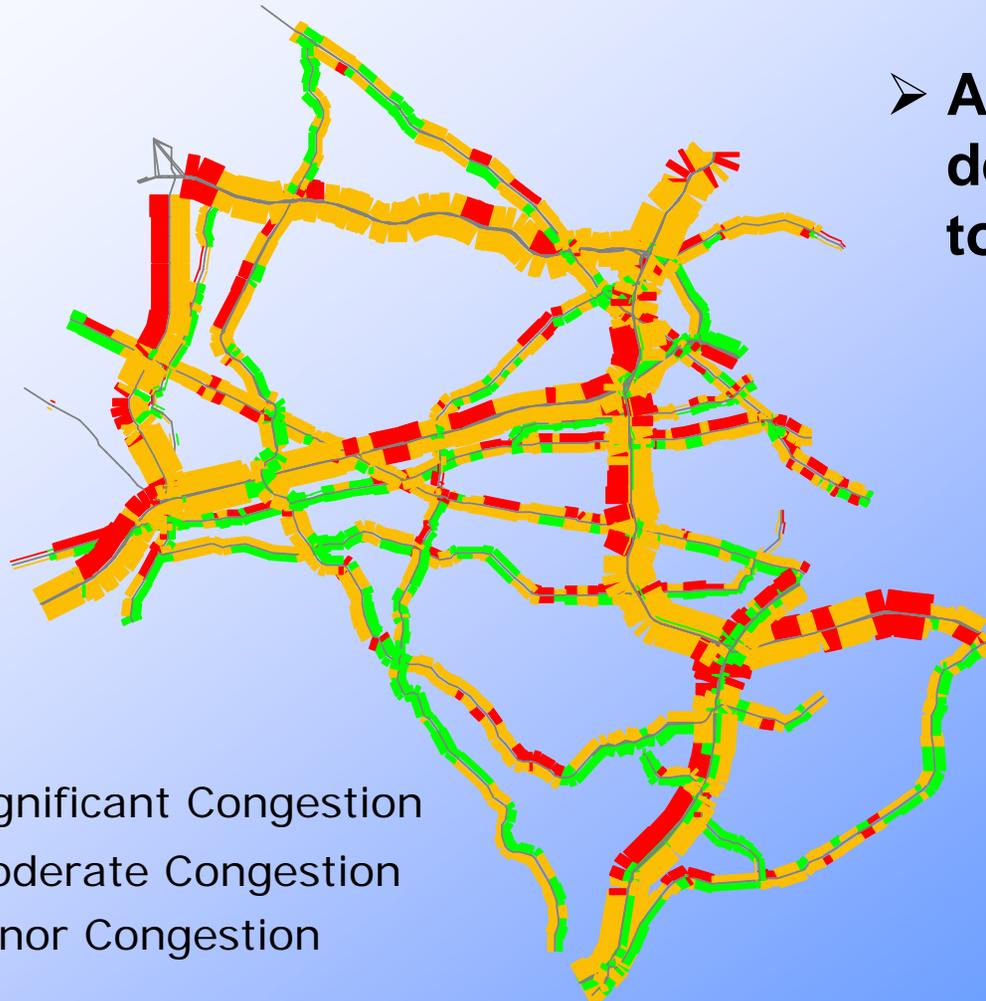


➤ Majority of Fairfax jobs filled by Virginia residents

4. Past, Present and Future



Forecast PM Peak Levels of Service in Scenario 1:



➤ Average increase in delay per trip from 8.8 to 9.9 minutes

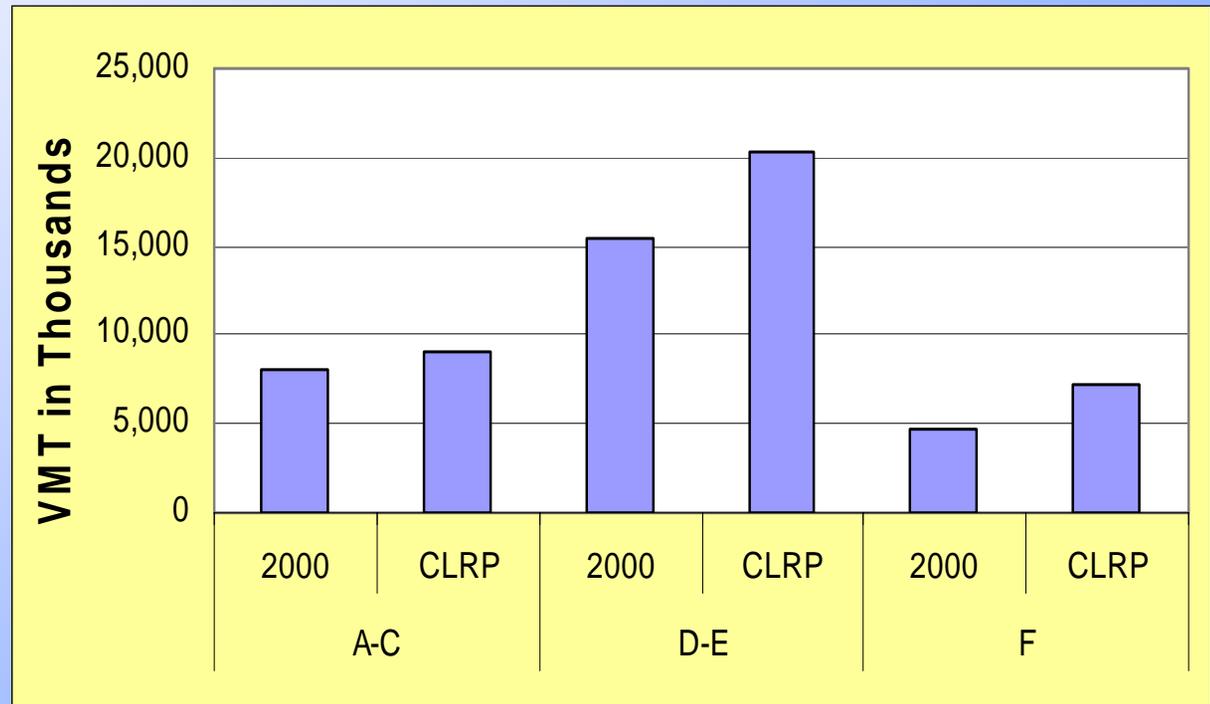
-  Significant Congestion
-  Moderate Congestion
-  Minor Congestion

4. Past, Present and Future



Scenario 1: PM Travel by Level of Service

- **Travel increases by 30%**
- **LOS A-C travel increases by 13%**
- **LOS D-E travel increases by 33%**
- **LOS F travel increases by 53%**



4. Past, Present and Future



| Proposed Scenarios (O = completed) | | Transportation Network Improvement Alternatives | | | |
|---|---|---|------------------|-------------------------|-------------------------------|
| | | 1. Region's Plan (CLRP) | 2. County's Plan | 3. Robust Transit (TBD) | 4. Final Hybrid Network (TBD) |
| L a n d U s e F u t u r e | 1. Region's Land Use Forecast Adopted COG's Cooperative Forecast Round 6.4 | O | | | |
| | 2. Focused Household Growth Improved job-housing balance w/ more housing units in centers | X | X | X | |
| | 3. Revised Regional Land Use Forecast COG Round 7.0 to be developed with updated job growth | X | X | X | |
| | 4. Final Hybrid Land Use Future To be determined | | | | X |

4. Past, Present and Future



***We have had substantial
development,
and challenges lie ahead...***

4. Past, Present and Future



Continuing Challenges to Transportation System

- Major roads are becoming increasingly congested during weekday peak periods and even weekends
- Rail services (Metrorail and VRE) need to increase peak-period capacity and infrastructure must be maintained
- Public transportation underserves many residential areas and commercial and employment centers
- Many miles of planned trails and sidewalks need to be built to make a pedestrian-friendly built environment
- Need to integrate future HOV/HOT and transit systems
- Development patterns increase long-distance auto travel
- Declining funding for new transportation construction

5. Public Involvement



WE NEED YOUR HELP!

These are all the ways you can get involved...

- Review the Plan
- Discuss at public meetings
- Provide your input in writing or online

Proposed plan changes can be submitted:

- In writing to the Department of Transportation
- Using forms provided at the public meetings
- Online: www.fairfaxcounty.gov/fcdot

5. Public Involvement



■ Spring 2005:

Continue travel demand forecasting with modified scenarios based on public input

Hold workshop(s) to discuss forecasting findings

Conduct policy plan review, review public comments and develop draft policy plan

■ Summer 2005:

Hold the 2nd round of public meetings to review draft policy plan

■ Late Fall, 2005: Public hearings before Planning Commission and Board of Supervisors

5. Public Involvement



Contact US...

County of Fairfax

Department of Transportation

Attention: Transportation Plan Update

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www.fairfaxcounty.gov/fcdot

