



Richmond Area Metropolitan Planning Organization

Overview of the MPO

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Richmond Regional Planning District Commission

Summary of Today's Presentation

- MPO Organization/Background
- MPO Planning and Programming Process
- MPO Long-Range Transportation Plan (LRTP)
- Programming Projects/Transportation Improvement Program (TIP)
- Regional Priority Projects
- Current Studies and Activities
- Upcoming Initiatives

What is an MPO?

Forum for cooperative transportation decision-making

- Established in 1973 Federal-Aid Highway Act
- Develops regional transportation plan and improvement program
- Authorizes obligation of federal transportation funds
- Serves as regional spokesman for the region's transportation priority projects

MPO Organization

- Cooperative agreement by state and local governments and regional transportation and planning agencies
- Letter by Governor designating MPO
- Resolution of Concurrence from participating local governments

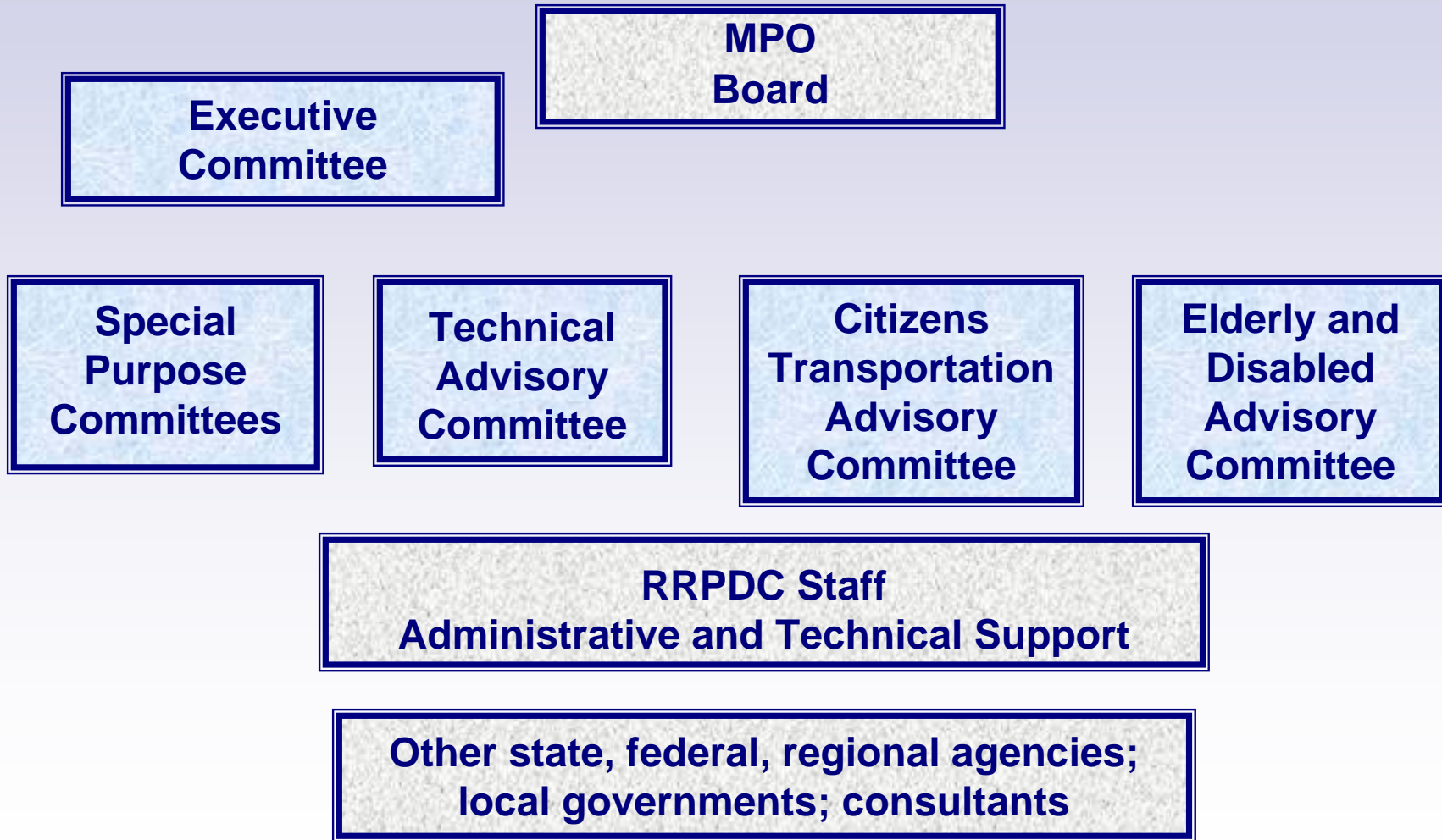
MPO Organization (cont.)

■ Memorandum of Understanding (MPO) for MPO process and operation:

- Geographic scope
- Time frame
- Membership
- Financing MPO Process
- MPO Planning and Programming Process
- Other arrangements
- Compliance with state and federal requirements
- Work Program coordination and staffing
- MOU amendments

■ MPO Bylaws

Organization Structure



MPO Member Organizations/Membership

Voting Member Organizations (No. of voting members):

Local Governments

- Town of Ashland (1)
- County of Charles City (1)
- County of Chesterfield (4)
- County of Goochland (2)
- County of Hanover (3)
- County of Henrico (4)
- County of New Kent (2)
- County of Powhatan (2)
- City of Richmond (4)

Agencies (1 each)

- Capital Region Airport Commission
- GRTC Transit System
- Richmond Metropolitan Authority
- Richmond Regional Planning District Commission
- Virginia Department of Transportation

Nonvoting Member Organizations/Appointees (No. of nonvoting members)

- Federal Highway Administration (1)
- Federal Transit Administration (1)
- RideFinders (1)
- Virginia Department of Aviation (1)
- Virginia Department of Rail and Public Transportation (1)
- MPO Chairman's Citizen Appointees (2)
- Citizens Transportation Advisory Committee Chairman (1)
- Elderly and Disabled Advisory Committee Chairman (1)

MPO Study Area

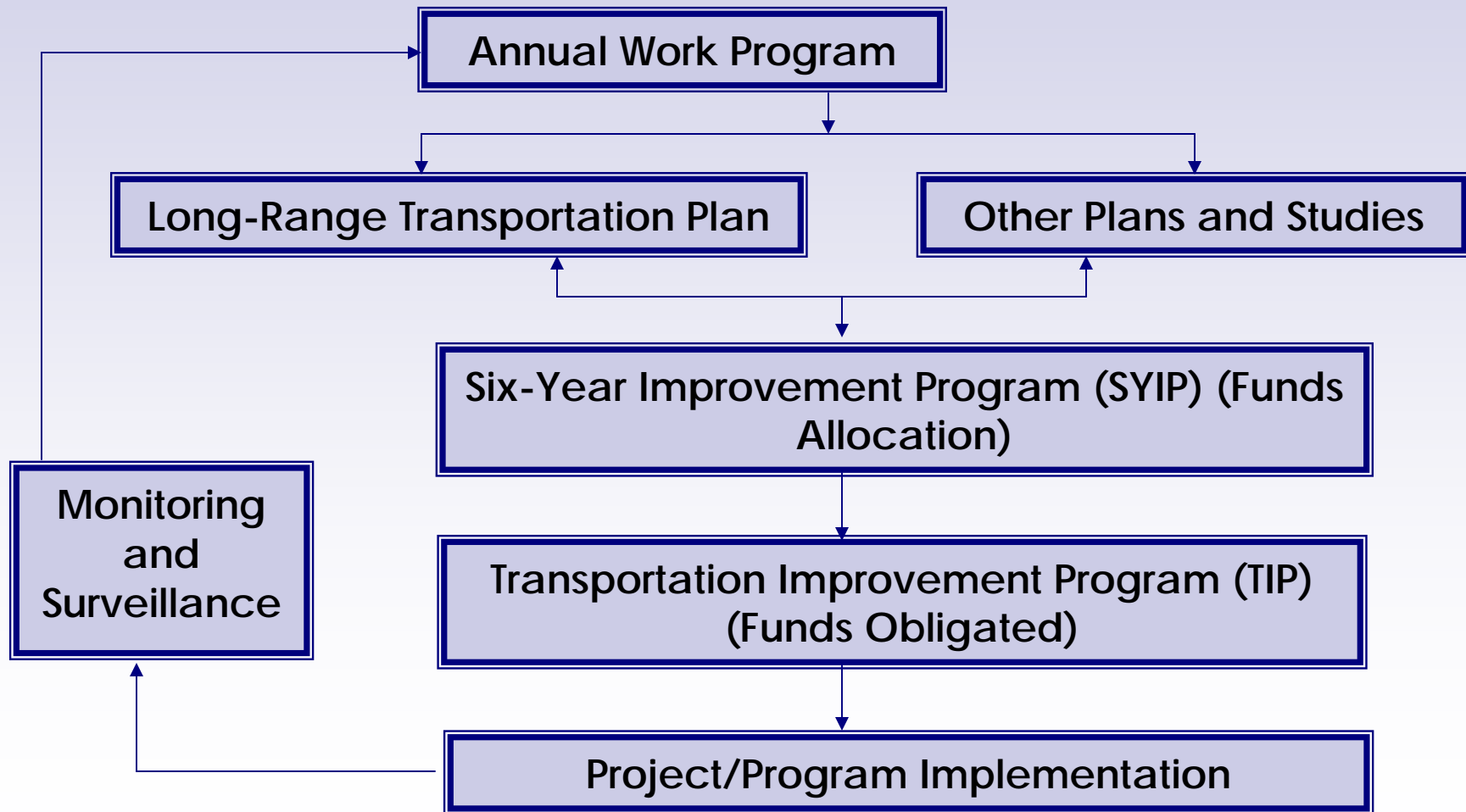
- Covers area projected to be urbanized in the next 20 years.
- Includes areas designated by EPA as nonattainment or maintenance under Clean Air Act for national ambient air quality standards.

MPO Study Area



* Southern Chesterfield County in Tri-Cities Area MPO

MPO Planning and Programming Process





MPO Process: Major Components

- Long-Range Transportation Plan (LRTP)
- Transportation Improvement Program (TIP)

Long-Range Transportation Plan (LRTP) Requirements

- 20-year horizon
- Updated every four years
- Multimodal
- Financially constrained
- Air quality conformity evaluation
- Environmental Justice assessment
- Early and continuous public involvement

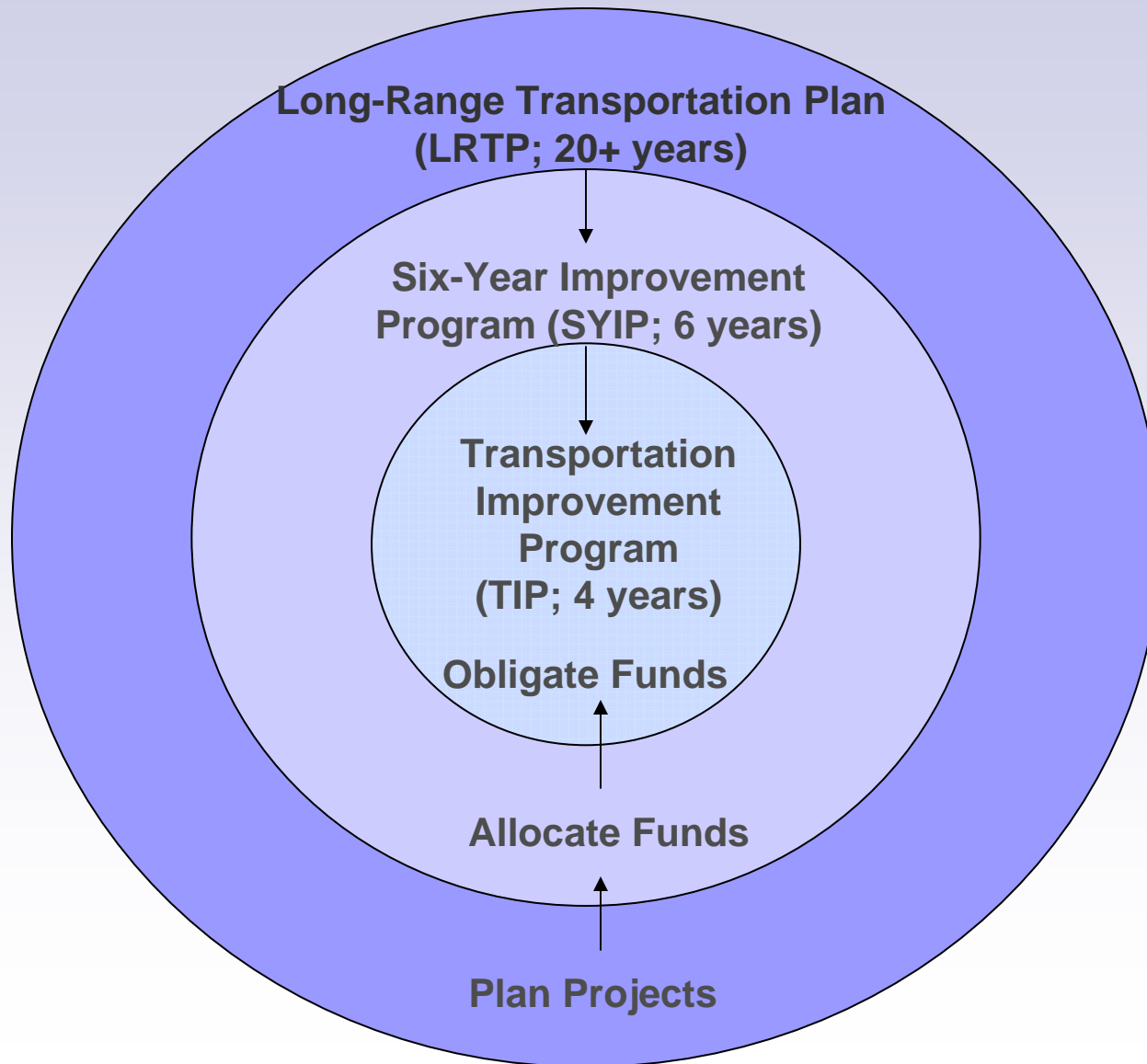
L RTP Financial Capacity Analysis

- Covers FY 2008 to FY 2031
- L RTP must be financially constrained; can only include projects based on projected revenues
- Accounts for inflation (assumed at 3 percent annual rate)
- Maintenance costs addressed first
- Financial projections by VDOT – Nov. 2007 (2031 L RTP adopted by MPO August 2008)
- Transit funding projections based on trend line for GRTC transit projects

2031 LRTP Funding and Projects

- Total estimated/projected funds \$9.2 billion
 - Maintenance Costs \$6.5 billion
- Funds available for projects \$2.7 billion
- Initial projects list costs \$4.7 billion
- Estimated shortfall \$2.0 billion
- Financially constrained 2031 LRTP (533 projects) \$2.5 billion
- 2031 LRTP Vision List (166 projects; not including light rail/ bus rapid transit or intercity rail) \$2.2 billion

Programming Projects



Transportation Improvement Program (TIP)

- Prioritized listing of projects/programs
- 4-year program
- Project/program funds allocated in SYIP
- Project/program funds obligated in TIP; authorized for expenditure
- Ongoing amendment process

Transportation Improvement Program (TIP)

- Annual list of obligated projects report; total obligated in last three FFYs:
 - **FFY 07 \$ 80.0 million**
 - **FFY 08 \$ 22.2 million**
 - **FFY 09 \$ 164.9 million**
- FFY 07 obligations include \$44.8 million in Interstate/NH fund
- FFY 09 obligations include \$67.7 million in Interstate/NH funds and \$19.2 million in ARRA/Stimulus funds.

RSTP and CMAQ Allocations

- Programs begun under ISTEA (1991)
 - Regional Surface Transportation Program (RSTP)
 - Congestion Mitigation Air Quality (CMAQ)
- MPO lead for allocating RSTP and CMAQ funds; CTB programs in SYIP
- RSTP flexible, covers highway and transit capital projects

RSTP and CMAQ Allocations

- CMAQ funds transportation projects/ programs that improve air quality
 - Cannot fund highway capacity expansion
 - Some operating costs eligible
 - RideFinders (ongoing)
 - 64 Express/Marine Highway Project (start-up)

RSTP and CMAQ Allocations

- FY 92 (first year) \$ 8.2 million
- FY 10 (latest year) \$19.4 million

- MPO funds allocation criteria:
 - Fund existing projects first
 - Priority to projects ready to advance
 - New projects considered last

RSTP and CMAQ Allocations

- MPO initiated close-out request for completed projects
 - Three-year review process for 56 closed projects
 - \$5.8 million reallocated by MPO
 - Pilot process being developed for VDOT Richmond District

Regional Priority Projects

- MPO annually approves list of priority projects
- List submitted for CTB consideration in allocating funds (SYIP preallocation hearing)
- Supports efforts by local governments in securing Congressional earmarks

Regional Priority Projects

■ Priority Ranked Projects

1. Preservation of projects previously fully funded:

- Main Street Station
- Rt. 360 East, Hanover
- Huguenot Bridge Reconstruction
- Rt. 250 widening, Goochland
- I-64 widening, Henrico to Goochland
- Virginia Capital Trail

Regional Priority Projects

2. SE High Speed Rail Corridor:
Richmond to Washington, D.C.
3. Rt. 10 widening, Chesterfield
4. Parham Rd./Patterson Ave. Urban
Interchange, Henrico
5. I-95/Lewistown Rd. Interchange, Hanover
6. High Speed Rail: Richmond/Hampton
Roads
7. I-64 widening: I-295 to James City Co.

Regional Priority Projects

- Unranked Projects (added in 2008)
 - Broad St. BRT, Willow Lawn to Rockett's Landing
 - GRTC Downtown Transfer Center
 - Platform Extensions at Main Street Station
 - Rt. 711/Huguenot Trail widening (Rt. 288 to Chesterfield county line), Powhatan
 - I-295/Meadowville Rd. Interchange
 - Forest Hill Ave. widening, Richmond
 - Jahnke Rd. widening, Richmond

Current Studies and Activities

- Wide range of transportation planning studies and work activities currently underway:
 - Rt. 5 Multimodal Corridor Study – Richmond and Henrico
 - Regional Travel Demand Model (RTDM)
 - MPO now lead for development and maintenance
 - VDOT provides technical assistance

Current Studies and Activities

- Socioeconomic Data and Forecasts
 - Vital component for RTDM
 - Extensive use by local governments/others for planning
- Regional Bicycle and Pedestrian Plan Update
- Intermodal Strategies and Actions Study
- Paratransit Operators Inventory Update

64 Express/Marine Highway Project

- Initiative by MPO to establish freight barge service on James River
 - Planning started November 2007
 - Service started December 1, 2008
- Barge service linking marine terminals in Hampton Roads with Port of Richmond
- Public/private partnership
 - Richmond Area MPO, VPA, Norfolk Tug, Port of Richmond Commission

64 Express/Marine Highway Project

- CMAQ funded
 - Three years to test/develop recommendation
- First year service benefits:
 - Weekly service, additional runs dependent on demand
 - 6,400 trucks removed from highway
 - Estimated fuel savings: 35 gallons/trip
 - Market opportunity: overweight cargo from highway
- 2009 AMPO National Award for Innovation in Transportation Planning

Upcoming Initiatives/Staff Proposals

- New work activities proposed for FY 2011 work program:
 - Sustainable Transportation Initiatives of Richmond (STIR)
 - Virginia Association of Metropolitan Planning Organizations (VAMPO)

Thank you!

Richmond Area
Metropolitan Planning Organization

Richmond Regional
Planning District Commission

www.richmondregional.org

