Agenda

- Recommended infrastructure plan review
- Policy
- Prioritization
- Next steps
RECOMMENDED PLAN SUMMARY
& CHANGES FROM LAST REVIEW
Changes from Last Review

- Minor adjustments to bicycle network
- Minnesota Avenue Metrorail station bike connection
- Rhode Island Avenue transit/bike accommodation
- Massachusetts Avenue NW sidepath
- Indication of dedicated vs. shared lane high capacity transit (including streetcar system)
(Discussion)
PROJECT PRIORITIZATION
Project Prioritization

- Priorities should consider:
  - moveDC goals and performance measures
  - MAP-21 performance measures
  - MWCOG prioritization & regional priority
  - Insight gained during public process
  - Realities of transportation system implementation in DC
Project Prioritization Criteria

- Review performance criteria for projects
  - Do we need to add or change any criteria?
  - Are all transportation modes given equal opportunity to perform well?
Prioritization Criteria Weighting

- How do you want to weigh the criteria?
  - By overarching goal?
  - By each performance measure?

- Should project weighting include an objective as well as subjective approach?
  - How should project-specific input from the public or committee members be considered?
Other Considerations

- Will projects across each mode be scored similarly and fairly?
- Do additional performance criteria need to be included that address specific modes?
moveDC Goals

- **Sustainability and Health**: Achieve 75% of all District trips by non-auto modes
- **Citywide Accessibility and Mobility**: Maximize system reliability and capacity for moving people and goods
- **Neighborhood Accessibility and Connectivity**: Support neighborhood vitality and economic development
- **Safety and Security**: Achieve zero fatalities and serious injuries on District transportation network
- **Public Space**: Reinforce Washington DC’s historic landscapes and quality of neighborhood public space
- **Preservation**: Achieve a state of good repair for all District infrastructure
- **Funding and Financing**: Invest in transportation to achieve outcomes within plan horizon
Support **economic vitality** of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency

Increase the **safety** of the transportation system for all users

Increase the ability of the transportation system to support **homeland security** and to safeguard the **personal security** of all users

Increase **accessibility** and **mobility** of **people** and **freight**

Protect and enhance the **environment**, promote **energy conservation**, improve the **quality of life**, and promote **consistency** between transportation improvements and State and local planned **growth** and **economic development** patterns

Enhance the **integration** and **connectivity** of the transportation system, across and between modes, for **people** and **freight**

Promote **efficient system management** and **operation**

Emphasize the **preservation** of the **existing transportation system**
## Planning Factors vs. moveDC Goals

<table>
<thead>
<tr>
<th>Federal Planning Factor</th>
<th>Sustainability and Health</th>
<th>Citywide Accessibility and Mobility</th>
<th>Neighborhood Accessibility and Connectivity</th>
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<td>5. Environment</td>
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<td>6. Integration and Connectivity</td>
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moveDC Prioritization Considerations

- MWCOG survey research
- moveDC
  - Survey research
  - MetroQuest
  - Public input
MWCOG Survey Research

1. Meeting Metro and highway repair challenges
2. Reducing transit crowding and roadway congestion
3. Other significant challenges
   - Meeting mobility needs for people with disabilities
   - Providing bus priority
   - Enforcement of traffic laws to make roadways safer for all users
   - Encouraging alternative fuel vehicles
   - Expanding bicycle infrastructure
moveDC Survey Research

- “Time” components are given priority when travelers choose their transportation mode with emphasis on
  - Arriving on time
  - Dependability
  - The length of time a trip requires
Transportation Changes

- 60% of respondents said changes need to be made to the existing bus and rail system
- 60% of respondents said changes need to be made to the existing roadway system
- 77% support constructing sidewalks on both sides of the street
- Support for transit fare increases is low, regardless of the benefit
Long Term Values

- The survey tested
  - More reliable travel times
  - Better linkage of local neighborhoods with other areas in metropolitan Washington
  - Easier access to downtown
  - Easier travel in local neighborhoods
  - More transportation choices

- Respondents care the most about **reliable travel time**
Modal Valuation

- Metrorail, 33%
- Metrobus, 16%
- Roadways, 16%
- Bike Facilities, 20%
- Pedestrian facilities, 15%
# Round 1 Public Workshop: Citywide Transportation Challenges

- 944 total responses
- Most important? Walking and Bicycling
- Least important? Parking
- Most attention overall? Parking – 146 votes
- Least attention overall? Funding – 39 votes

## Transportation & Neighborhood Vitality

<table>
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<tr>
<th>Challenge</th>
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<th>Less Important</th>
<th>TOTAL Responses</th>
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## Transportation & the Competitive City

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<td>37</td>
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<tr>
<td>Adaptation</td>
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<td>Growth</td>
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## Transportation & Shared Prosperity

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<tr>
<td>Connectivity</td>
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## Transportation & the Sustainable City

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<td>State of Good Repair</td>
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Round 1 Public Workshop: Building Blocks for the Future

Public Workshop Responses
(132 Responses)
MetroQuest: Values

- 1,690 total submissions ranking top 3 most important values
- Value Ranking
  - Citywide Mobility and Neighborhood Connectivity had the most top 3 ranks

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Average Ranking: 1.92
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<tr>
<td><strong>Total (points)</strong></td>
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*based on MetroQuest input & note that Funding and Finance is not included here*
Processing Priority Projects

- Project by type, scale, or group
- In absolute terms or within score ranges
- Objective and subjective ratings
Project Prioritization

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Next Steps

- Draft plan elements
- Project prioritization
- Financial analysis
- Full draft plan
Background Information

MAJOR PLAN ELEMENTS
Major Plan Elements – Bike & Pedestrian Networks

- Citywide sidewalk network infill projects (sidewalk on at-least one side of every street)
- Citywide bicycle network implementation (on-street and trails)
- Massachusetts Avenue pedestrian and bicycle bridge across the Anacostia River
- Major bridge bike & pedestrian enhancements for river and other feature crossings
Major Plan Elements - Transit

- Expansion of 22-mile streetcar system (several extensions)
- High capacity transit network (49 miles)
- Union station improvements
- WMATA Momentum and RTSP elements in DC
- Commuter rail run-through service and additional service hours
- Long Bridge project
- Water taxi
- Citywide CaBi expansion
Major Plan Elements – Vehicular System

- Managed lane system
- Downtown congestion reduction zone
- Street grid infill/completion projects
- Citywide Intelligent transportation system investments/signal system investments
- Bridge replacements and rehabilitation
- Freeway reconfigurations
- Maryland Avenue tunnel
PROJECT EVALUATION CRITERIA
Sustainability and Health

- Increase non-auto mode split
- Improve air and water quality
- Increase access to parks and green space
- Encourage active transportation for health benefits

RED = Part of the MAP-21 performance criteria
Citywide Accessibility and Mobility

- Increase the person-carrying capacity of the transportation system
- Increase the efficiency of the transportation system
- Improve system reliability
- Accommodate the movement and management of freight
- Integrate the District’s transportation system with the region
- Mitigate an existing deficiency in the network

RED = Part of the MAP-21 performance criteria
Neighborhood Accessibility & Connectivity

- Increase the number of transportation choices for travel between city neighborhoods
- Increase transportation availability to population centers and jobs, schools, amenities, and services
- Increase transportation availability to economically challenged or targeted redevelopment areas
- Increase transportation availability to historically underserved minority or ethnic groups
- Serve areas of the District identified for high future growth
Safety and Security

- Improve safety for all users
- Improve redundancy of transportation networks to handle emergencies
- Expand sidewalk network

RED = Part of the MAP-21 performance criteria
Public Space

- Protect and enhance important corridors and urban landscapes
- Make streets functional, beautiful, and walkable
Preservation

- Maintain bridges at a state of good repair
- Maintain roads at a state of good repair
- Maintain sidewalks at a state of good repair
- Maintain trails at a state of good repair
- Maintain transit infrastructure at a state of good repair

RED = Part of the MAP-21 performance criteria
Funding and Financing

- Project readiness
- Private participation potential
- Revenue source

RED = Part of the MAP-21 performance criteria
Background Information

METROQUEST CRITERIA WEIGHT INFORMATION
MetroQuest: Priorities
Sustainability & Health

- Encourage Physical Activity Through Transportation 18%
- Improve Stormwater Quality 15%
- Plant More Trees 18%
- Prepare for Severe Weather 13%
- Reduce Energy Consumption 18%
- Reduce Greenhouse Gas Emissions 18%
MetroQuest: Priorities
Citywide Mobility

- Better Accommodation for Local Deliveries & Freight 6%
- Improved Traffic Flow 15%
- New River & Park Crossings 9%
- More Fast Transit 21%
- More Transit Service Hours & Frequency 25%
- More Protected Bicycle Facilities 23%
MetroQuest: Priorities
Neighborhood Connectivity

- New Local Street Connections: 16%
- More & Better Sidewalks: 23%
- More On-Street Parking: 5%
- Expand Capital Bikeshare: 21%
- Improve Transit Stops: 22%
- Better Manage On-Street Parking: 13%
MetroQuest: Priorities
Safety & Security

- Targeted Safety Improvement Projects: 25%
- Expand Safe Routes to School Program: 17%
- Expanded Educational Programs: 12%
- Begin Safe Routes for Seniors Program: 13%
- Better Evacuation Accommodation: 10%
- Additional Enforcement: 23%
MetroQuest: Priorities
Public Space

- More & Better Trails: 25%
- Improve Streetscapes: 23%
- Better Access to Parks: 17%
- Enhanced Wayfinding Signage: 11%
- Accommodate Public Events: 9%
- Preserve Views & Vistas: 14%
MetroQuest: Priorities
Preservation & Maintenance

- Maintain Streets 16%
- Maintain Metrorail & Commuter Rail 23%
- Maintain Bus & Streetcar 17%
- Maintain Bridges 12%
- Maintain Sidewalks & Trails 17%
- Maintain Bicycle Facilities 16%
Background Information

OTHER REGION PRIORITIZATION APPROACHES
TransAction 2040: Northern Virginia

- Integrated multimodal transportation system 20
- Responsive system to customers 46.67
- Historical and environmental factors 6.67
- Community connectivity by addressing land use and transportation 13.33
- Technology benefits 6.67
- Funding and legislative initiatives to implement plan 6.67

Total (points) 100
TransLink: Vancouver

Transport 2040 Related (50%)
• Greenhouse gases
• Non-SOV mode share
• Complete communities
• System optimization
• Economic growth & goods movement
• Financially sustainable

2011 Supplement Priorities (50%)
• Loss opportunity
• Leverages funding
• Effective use of existing fleet and infrastructure
• Tenure of previous commitment
Goals

• Maintenance & safety
• Reliability
• Freight
• Clean air
• Climate protection
• Access
• Livable communities

Process

• Analysis is combination of qualitative and quantitative
• All performance objectives weighted equally
Delaware Valley Regional Planning Commission

Goals
• Create Livable Communities
• Manage Growth and Protect Resources
• Build an Energy-Efficient Economy
• Modernize the Transportation System

Method
• Fund all state of good repair first
• Fund new capacity and system expansion with remaining funds
• Evaluate transformative projects based on selection criteria
Goals

- Increase mobility options for people and goods
- Foster a healthy, educated, well-trained, safe, and secure population
- Promote places to live with easy access to jobs and services
- Improve energy efficiency while preserving the region’s environment
- Identify innovative approaches to economic recovery and long-term prosperity

Prioritization Process

- Allocate funding across program areas
- Policy filter
- Project evaluation for air quality conformity projects only
  - Weighted average of performance criteria
  - Projects are tiered
- Additional considerations
  - Public input
  - Project sponsor priorities
  - Regional equity
  - Readiness