

# Metrobus Service Evaluations

## Routes 7A-E-F-Y and 7B-C-D-H-P-W-X

### “7 Lines” Public Meetings

John Adams Elementary School, Alexandria  
June 7, 2011

Shirlington Library, Arlington  
June 8, 2011



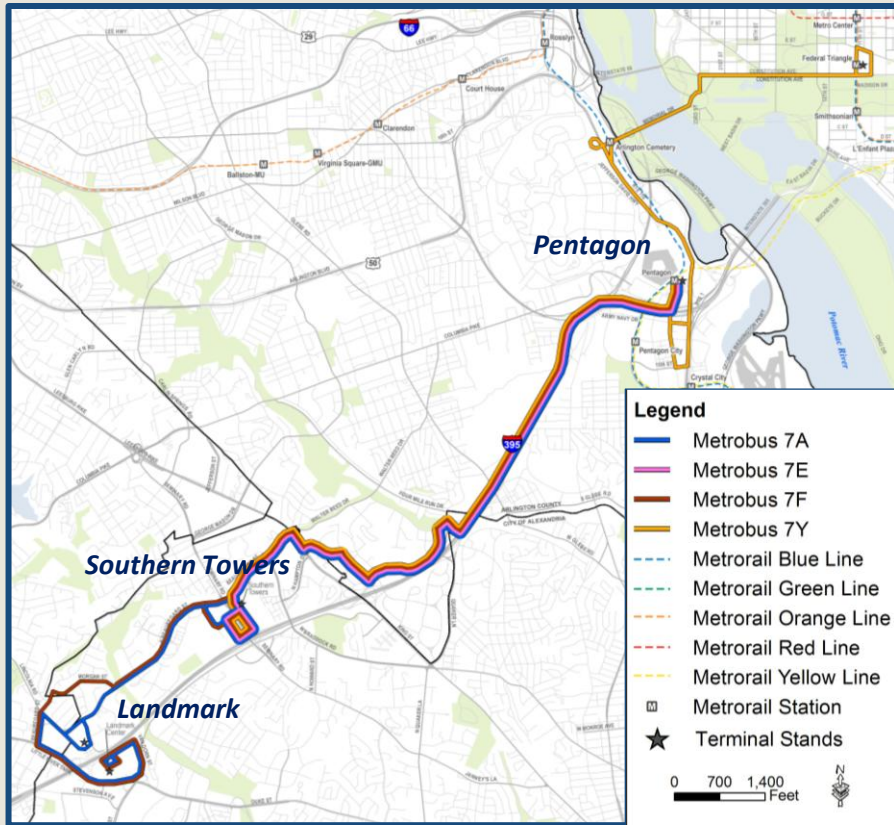
# Purpose of the Evaluation

- Identify strategic needs;
- Review capacity, productivity, reliability, and quality of service;
- Recommend changes to improve service (frequency, crowding, travel time, amenities, communications, etc.)

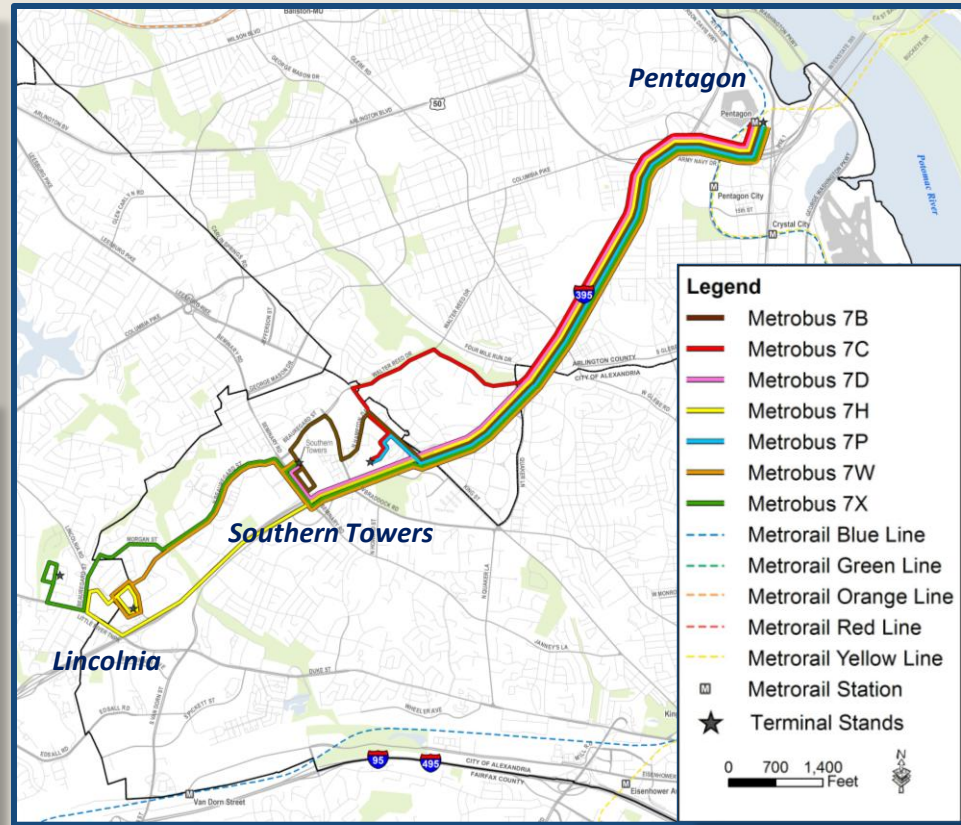


# Metrobus 7 Lines Maps

## 7A-E-F-Y



## 7B-C-D-H-P-W-X



# Characteristics of the Metrobus 7 Lines

## 7A-E-F-Y:

- Average number of weekday riders: 3,260  
(4th of 42 routes in Virginia; 47th of 157 Metrobus routes overall)
- Average number of riders per trip: 23
- Low subsidy - \$1.90 per rider.  
(Subsidy = Cost to operate service per rider, minus the rider's fare.)

## 7B-C-D-H-P-W-X:

- Average number of weekday riders: 2,000  
(15th of 42 routes in Virginia; 69th of 157 Metrobus routes overall)
- Average number of riders per trip: 21
- Lowest subsidy of any Metrobus line in Virginia – only \$1.01 per rider.



# Rider Survey: 7A-E-F-Y Preliminary Results

- Top concerns of 7A-E-F-Y Line riders:
  - 1) Frequency of buses – buses don't come often enough
  - 2) Reliability of service – buses coming too early or too late
  - 3) Crowding on buses – too many riders at one time on buses
  - 4) Hours of service
  - 5) Travel time – buses travel too slowly to get to destinations
- 59% use the line for commuting to and from work
- 86% use the line regularly (more than 3 days per week)
- Most popular destinations are Shirlington Transit Center, Downtown DC (7Y), Pentagon, and Southern Towers
- 85% of riders are Virginia residents; 11% live in DC



# Rider Survey: 7B-C-D-H-P-W-X Preliminary Results

- Top concerns of 7B-C-D-H-P-W-X Line riders:
  - 1) Frequency of buses – buses don't come often enough
  - 2) Reliability of service – buses coming too early or too late
  - 3) Crowding on buses – too many riders at one time on buses
  - 4) Hours of service
- 86% use the line for commuting to and from work
- 93% use the line regularly (more than 3 days per week)
- Pentagon is the primary destination; mainly to transfer to Metrorail Yellow/Blue lines, sometimes to another bus route
- 100% of survey respondents said they live in Virginia



# **Preliminary Recommendations to be evaluated**

- **Metro to work with Arlington and Alexandria to make traffic signal and roadway improvements to improve bus operations;**
- **Potential bus stop consolidation based on Metro guidelines;**
- **Provide midday service along Walter Reed (7C);**
- **Add run time to bus schedules to improve on-time performance;**
- **Ensure sufficient bus service to Mark Center (proposed 7M route, possible additional trips on 7A and 7F);**
- **Increase evening span of service on 7Y (two southbound trips, one at 7:30 and one at 8:00);**
- **Marketing campaign to publicize 7Y service into Downtown DC;**



# **Preliminary Recommendations to be evaluated**

- Possible re-routing of some 7A, 7E, and 7F trips along North Hampton Drive;
- Possible re-routing of 7W and 7X at southern terminals through Lincolnia/Quantrell to avoid congestion and provide more even service frequency;
- Evaluate service modifications to 7 Lines service after potential implementation of Van Dorn/Beauregard Bus Rapid Transit (BRT) currently being considered by City of Alexandria. (7A, 7F, 7W, and 7X would overlap with proposed BRT route);
- Additional bus stop amenities based on Metro guidelines.



# Next Steps

- **Finalize recommendations based on public input and additional required analysis**
- **Estimate capital and operational costs**
- **Identify funding sources**
- **Complete final report**
- **Receive WMATA Board approval**
- **Develop implementation plans**



# Contact Information

- **Web: [www.metrobus-studies.com](http://www.metrobus-studies.com)**
- **E-mail: [info@metrobus-studies.com](mailto:info@metrobus-studies.com)**
- **Twitter: [@MetrobusStudies](https://twitter.com/MetrobusStudies)**
- **Phone: 703-340-3105**

