



# Commuter Bus Management Plan

Metropolitan Washington Council of Governments

September 28<sup>th</sup>, 2010

***d.***

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*District Department of Transportation*

# Background

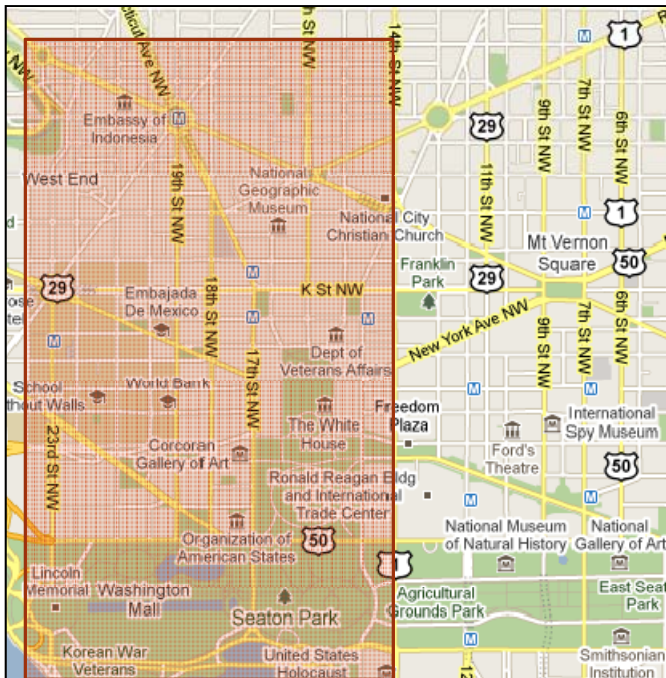
- Current status of the plan
- Field Analysis
  - Establishing a methodology
  - AM Stops
  - Conflicts



# Methodology

- Review of existing documents
  - Existing map
  - Schedules
- Identification of sectors, areas and corridors
  - Sector- Defined geographical boundary
  - Area- group of stops within a defined vicinity
  - Corridor- Street level
  - 3 sectors, 6 areas and 13 corridors
  - 163 am stops, 149 pm stops

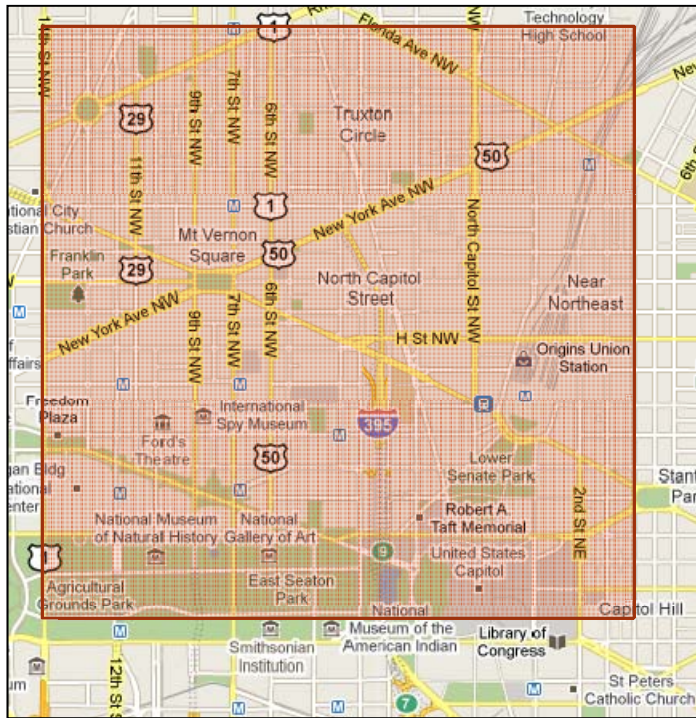
# Sector Maps



## Sector One

- 18<sup>th</sup> Street
- 19<sup>th</sup> Street
- Foggy Bottom
- H Street
- I Street
- M Street
- L Street
- Dupont Circle
- K Street (partial)

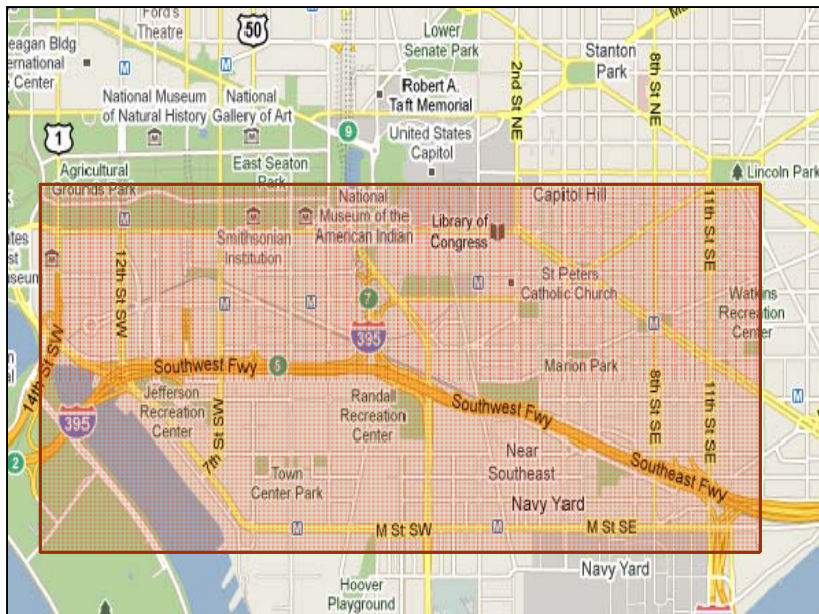
# Sector Maps (cont'd)



## Sector Two

- 14<sup>th</sup> Street
- Pennsylvania Avenue
- Constitution Avenue
- Metro Center
- Capitol Hill
- 7<sup>th</sup> Street (partial)
- K Street (partial)

# Sector Maps (Cont'd)



## Sector Three

- Independence Avenue
- 7<sup>th</sup> Street cont'd.
- Southwest
- M Street SE

# Methodology (cont'd)

- Performed field observations
  - Assessed all known stops based on carrier schedules
  - Observations conducted between 7:00am-9:30am and 3:00pm-5:30pm
  - Observed each location for approximately 15 -30 minutes when commuter bus activity was present
  - Specifically identified location of each stop (GPS device, Google Maps)



# Methodology (cont'd)

- Documented observations at each location
  - Evaluation criteria:
    - Shared Metro bus stop
    - Shared stop with other commuter bus carriers
    - Curbside signage
    - Volume of commuter buses and other vehicles at a location
    - Proximity to other known scheduled stops
    - Qualitative data regarding conflicts observed or anticipated



# Methodology (cont'd)

- Analyzed data based on observations to determine recommendations
- Basis for recommendations:
  - Conflicts (Metro, curbside usage, safety etc.)
  - Frequency of stops along a corridor
  - Routes
  - Proximity to major employers



# Recommendations

| Stops to be eliminated by corridor/area* |             |               |             |               |
|--|-------------|---------------|-------------|---------------|
| Corridor/area                            | AM Existing | AM Eliminated | PM Existing | PM Eliminated |
| L Street, NW                             | N/A         | N/A           | 4           | 2             |
| M Street, NW                             | 4           | 3             | N/A         | N/A           |
| K Street, NW                             | 16          | 8             | 10          | 3             |
| 18th Street, NW                          | 7           | 3             | 7           | 1             |
| 19th Street, NW                          | 8           | 2             | 7           | 1             |
| Foggy Bottom                             | 9           | 2             | 9           | 2             |
| 14th Street, NW                          | 13          | 3             | 8           | 2             |
| H Street, NW                             | 2           | 1             | 2           | 1             |
| I Street, NW                             | 3           | 1             | 3           | 1             |
| Metro Center                             | 8           | 3             | 7           | 3             |
| Dupont                                   | 3           | 0             | 3           | 2             |
| Pennsylvania Avenue                      | 10          | 4             | 8           | 3             |
| Constitution Avenue                      | 12          | 1             | 9           | 3             |
| 7th Street, NW                           | 5           | 1             | 5           | 0             |
| Independence Avenue                      | 17          | 5             | 18          | 5             |
| Southwest                                | 8           | 2             | 9           | 1             |
| M Street, SE                             | 15          | 6             | 14          | 3             |
| Capitol Hill                             | 19          | 7             | 22          | 9             |
| Miscellaneous                            | 4           | 0             | 4           | 0             |
| <b>Total</b>                             | <b>163</b>  | <b>52</b>     | <b>149</b>  | <b>42</b>     |

# Recommendations (cont'd)

| AM Stops to be eliminated by corridor/area |              |                |               |                 |              |                |                |                  |                 |                   |
|--|--------------|----------------|---------------|-----------------|--------------|----------------|----------------|------------------|-----------------|-------------------|
| Corridor/area                              | MTA Existing | MTA Eliminated | PRTC Existing | PRTC Eliminated | LCT Existing | LCT Eliminated | Martz Existing | Martz Eliminated | Quicks Existing | Quicks Eliminated |
| L Street, NW                               | N/A          | N/A            | N/A           | N/A             | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| M Street, NW                               | 4            | 3              | N/A           | N/A             | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| K Street, NW                               | 12           | 5              | N/A           | N/A             | 3            | 1              | 6              | 2                | N/A             | N/A               |
| 18th Street, NW                            | 6            | 3              | 2             | 0               | 2            | 1              | N/A            | N/A              | N/A             | N/A               |
| 19th Street, NW                            | 6            | 2              | 4             | 2               | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| Foggy Bottom                               | 3            | 1              | 1             | 0               | 1            | 0              | 4              | 1                | N/A             | N/A               |
| 14th Street, NW                            | 3            | 1              | 9             | 2               | 3            | 1              | N/A            | N/A              | 1               | 0                 |
| H Street, NW                               | N/A          | N/A            | 2             | 1               | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| I Street, NW                               | N/A          | N/A            | 3             | 1               | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| Metro Center                               | 3            | 1              | 4             | 1               | N/A          | N/A            | 1              | 1                | N/A             | N/A               |
| Dupont                                     | 3            | 0              | N/A           | N/A             | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| Pennsylvania Ave.                          | 8            | 2              | 4             | 1               | N/A          | N/A            | 3              | 1                | N/A             | N/A               |
| Constitution Ave.                          | 8            | 1              | 2             | 0               | N/A          | N/A            | 2              | 0                | 1               | 0                 |
| 7th Street, NW                             | 3            | 1              | 1             | 0               | N/A          | N/A            | 1              | 0                | 1               | 0                 |
| Independence Ave.                          | 8            | 3              | 3             | 0               | 4            | 2              | 2              | 0                | 2               | 0                 |
| Southwest                                  | 3            | 1              | 5             | 1               | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| M Street, SE                               | 7            | 3              | 9             | 3               | 1            | 0              | N/A            | N/A              | 1               | 0                 |
| Capitol Hill                               | 5            | 1              | 5             | 1               | 3            | 0              | N/A            | N/A              | 7               | 5                 |
| Miscellaneous                              | 4            | 0              | N/A           | N/A             | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| <b>Total</b>                               | <b>86</b>    | <b>28</b>      | <b>54</b>     | <b>13</b>       | <b>17</b>    | <b>5</b>       | <b>19</b>      | <b>5</b>         | <b>13</b>       | <b>5</b>          |

# Recommendations (cont'd)

| PM Stops to be eliminated by corridor/area |              |                |               |                 |              |                |                |                  |                 |                   |
|--|--------------|----------------|---------------|-----------------|--------------|----------------|----------------|------------------|-----------------|-------------------|
| Corridor/area                              | MTA Existing | MTA Eliminated | PRTC Existing | PRTC Eliminated | LCT Existing | LCT Eliminated | Martz Existing | Martz Eliminated | Quicks Existing | Quicks Eliminated |
| L Street, NW                               | 4            | 2              | N/A           | N/A             | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| M Street, NW                               | N/A          | N/A            | N/A           | N/A             | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| K Street, NW                               | 10           | 3              | N/A           | N/A             | N/A          | N/A            | 2              | 0                | N/A             | N/A               |
| 18th Street, NW                            | 6            | 1              | 2             | 0               | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| 19th Street, NW                            | 5            | 1              | N/A           | N/A             | 2            | 0              | N/A            | N/A              | N/A             | N/A               |
| Foggy Bottom                               | 4            | 0              | 2             | 1               | N/A          | N/A            | 3              | 1                | N/A             | N/A               |
| 14th Street, NW                            | 2            | 1              | 4             | 1               | 2            | 0              | 2              | 1                | N/A             | N/A               |
| H Street, NW                               | N/A          | N/A            | 2             | 1               | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| I Street, NW                               | N/A          | N/A            | N/A           | N/A             | 3            | 1              | N/A            | N/A              | N/A             | N/A               |
| Metro Center                               | 5            | 3              | 2             | 0               | N/A          | N/A            | 1              | 1                | 1               | 1                 |
| Dupont                                     | 3            | 2              | N/A           | N/A             | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| Pennsylvania Ave.                          | 6            | 2              | 2             | 0               | N/A          | N/A            | 3              | 1                | N/A             | N/A               |
| Constitution Ave.                          | 6            | 3              | 2             | 0               | N/A          | N/A            | N/A            | N/A              | 1               | 0                 |
| 7th Street, NW                             | 3            | 0              | 1             | 0               | N/A          | N/A            | 1              | 0                | N/A             | N/A               |
| Independence Ave.                          | 12           | 4              | 4             | 0               | 4            | 1              | 1              | 0                | N/A             | N/A               |
| Southwest                                  | 3            | 0              | 5             | 1               | N/A          | N/A            | 1              | 0                | N/A             | N/A               |
| M Street, SE                               | 7            | 2              | 8             | 1               | 1            | 0              | N/A            | N/A              | 2               | 0                 |
| Capitol Hill                               | 6            | 2              | 5             | 2               | 6            | 1              | N/A            | N/A              | 5               | 4                 |
| Miscellaneous                              | 4            | 0              | N/A           | N/A             | N/A          | N/A            | N/A            | N/A              | N/A             | N/A               |
| <b>Total</b>                               | <b>86</b>    | <b>26</b>      | <b>39</b>     | <b>7</b>        | <b>18</b>    | <b>3</b>       | <b>14</b>      | <b>4</b>         | <b>9</b>        | <b>5</b>          |

# Recommendations (cont'd)

- Observed Conflicts

- Commuter buses unable to access the curbside because of conflicting usage
- Vehicle and pedestrian safety concerns
- Metrobuses prevented or delayed from accessing their stop
- Traffic blocked on cross streets

- Recommended Eliminations

The majority of recommended eliminations were based on the following conflicts:

- Traffic blockages
- Conflicts with Metrobuses
- Proximity to other scheduled stops
- Curbside use restrictions

# Implementation and Evaluation

- Permitting Process
- Commuter Bus Operations Group
  - Service Providers
  - DDOT
- Performance Measures
- Coordination with other planning efforts

# Next Steps

- Date to complete plan review by carriers
  - October 7<sup>th</sup>
- Follow-up meeting with carriers
  - October 21<sup>st</sup>
- Finalize plan
  - Early November
- Establish regular commuter bus operations meeting
  - Monthly (beginning in December)