MEDICAL CENTER STATION
NEW ENTRANCE
ORDER OF MAGNITUDE

Presentation to BRAC Implementation Committee
June 19, 2007

Washington Metropolitan Area Transit Authority
Department of Planning and Joint Development
Office of Business Planning and Project Development
Medical Center Station

2007 Metrorail Ridership: 5,255 Average Weekday Boardings

- 425 Peak AM Hour Entries, 1,040 Exits
- 920 Peak PM Hour Entries, 270 Exits

Daily Mode of Access

- Walk 66% (3,468)
- Bus 22% (1,156)
- Drop-off 7% (368)
- Parked 5% (263)
Figure 2: Station Vicinity Plan

- Proposed Station Elevator Entrance Pavilion
- Existing Escalator Entrance
- Train Room Below
Figure 3: Street Level Plan

- Service Rooms
- Emergency Exit Stair
- 3 High-Speed, High-Capacity Elevators
- Station Pylon
- Passageway Connection Below
Figure 4: Mezzanine Level Plan

- Emergency Exit Stair
- 3 High-Speed, High-Capacity Elevators
- Passageway Connection
- New Platform Elevator
- New Stair to Platform
Figure 5: Cross Section Looking South

- Entrance Pavilion
- Passageway Connection
- Existing Station Vault
- Existing Escalatorway
### Figure 6: Order of Magnitude Cost Estimate

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit Cost</th>
<th>Cost Escalation (FY04-07)</th>
<th>SubTotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Station Entrance Pavillion</td>
<td>$810,000</td>
<td>$32,400</td>
<td>$842,400</td>
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<tr>
<td>Station Entrance Elevators, Systems, Equipment</td>
<td>$2,580,000</td>
<td>$309,600</td>
<td>$2,889,600</td>
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<td>Mezzanine Connection, Passageway, Vestibule</td>
<td>$4,788,000</td>
<td>$574,560</td>
<td>$5,362,560</td>
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<td>New Platform Stair &amp; Elevator</td>
<td>$1,385,000</td>
<td>$166,200</td>
<td>$1,551,200</td>
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<td>Hardscape, Landscape, Furnishing, Lighting, &amp; C</td>
<td>$440,000</td>
<td>$52,800</td>
<td>$492,800</td>
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<td><strong>Sub-Total</strong></td>
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<td><strong>$11,138,560</strong></td>
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<td><strong>30% Design Contingency</strong></td>
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<td><strong>$3,341,568</strong></td>
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<td><strong>Total</strong></td>
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<td><strong>$14,480,128</strong></td>
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Total includes Construction Costs only in FY07$. WMATA historical Soft Cost factor for Design, Engineering, Design Management, and Construction Management: 35% of Construction Cost ($14,480,000 x 35% = $5,068,000).

Order of Magnitude for Construction Cost and Soft Costs:  
$14,480,000 + $5,068,000 = $19.5M  ~ $20M (low range)
Next Steps

FY08 Project Development Program includes Medical Center Station Area Planning Study:

- BRAC Plans at National Naval Medical Center
- Analyze Existing Site Conditions, Traffic, Station Access
- Develop Future Ridership Projections
- Alternatives for Access Improvements to Station
- Alternatives for New Station Entrance
- Order of Magnitude
- Final Report