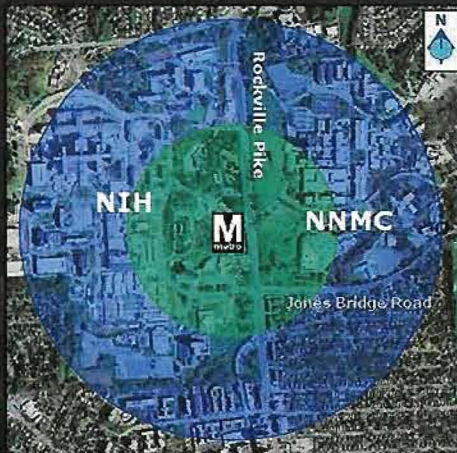


Medical Center Station Access Improvement Study

October 21, 2008
BRAC Implementation Committee Meeting



Medical Center Station



- Located at SW corner of Rockville Pike and S. Wood Road
- Primarily serves large employment base:
 - NIH: Over 18,000 employees
 - NNMC: 8,000 employees



Station Usage

- 10,420 daily weekday passengers
 - 30% to NNMCC
 - 70% to NIH
- 68% access station daily by walking
- Metrobus and Ride On routes service the station
- Transfer location for NNMCC shuttle

Medical Center Station



Study Purpose and Goals

- Purpose:
 - NNMCC BRAC changes: 2,500 new employees and 2x patients and visitors
 - Investigate station entrance modifications, including second entrance
- Project Goals:
 - Encourage and support transit ridership
 - Increase pedestrian safety
 - Reduce pedestrian/vehicle conflicts
 - Reduce trip time
 - Reduce vehicle delay associated with pedestrian conflicts
 - Reduce pedestrian trip time



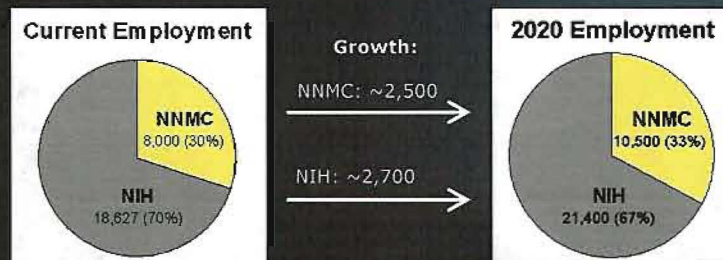
Station Characteristics

- Not capacity constrained
- Pedestrian access issues:
 - Long pedestrian wait time to cross Rockville Pike
- Vehicle queuing along Rockville Pike
 - Pedestrian traffic conflicts with turning vehicles
 - Queuing creates delays for Kiss & Ride



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Projected Jobs and Ridership



- 14,000 daily passengers expected by 2020
 - Roughly 35% or 4,900 passengers from NNMC



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Issues to Consider



- Physical constraints:
 - Vegetation
 - Utilities
 - Substation and vent shafts



Issues to Consider



- Rockville Pike:
 - Future treatment of pedestrian crossing
 - Maintenance of traffic during construction



Issues to Consider



- Security:
 - Shuttle bus
 - Tunnel
 - Campus fence
- Potential TDM measures



Alternatives

1. Upgraded at-grade crossing
2. New elevator entrance on east side of Rockville Pike
3. Shallow tunnel with new entrance on east side of Rockville Pike
4. Pedestrian bridge over Rockville Pike



Alternative 1



Assumptions

- Minimal impact
- Improved sidewalk
- Wider crosswalk
- Possible median refuge
- Enhanced NNMCG shuttle bus operations

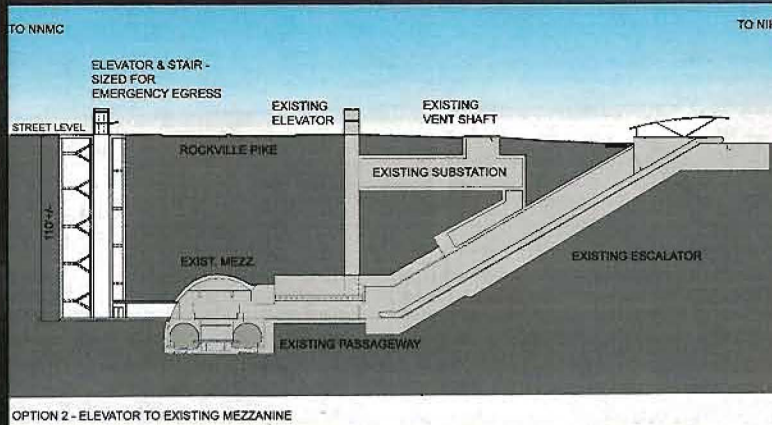
Alternative 2



Assumptions

- Two new high-speed elevators
- Pedestrian crosswalk to remain
- At-grade crossing improvements
- NNMCG shuttle bus in operation

Alternative 2



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Alternative 3



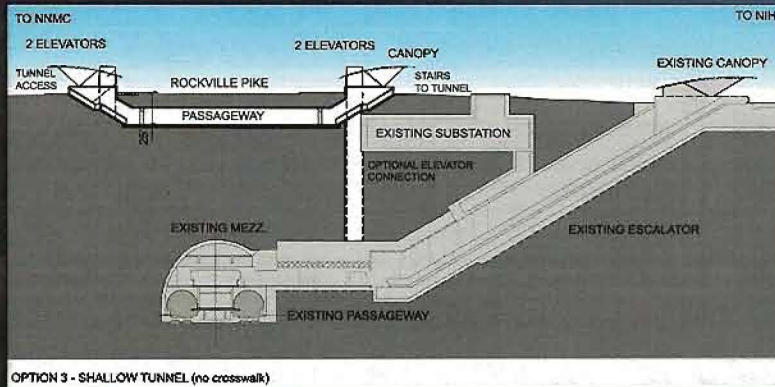
Assumptions

- New tunnel
- Possible connection to station mezzanine
- Possible at-grade crossing barrier
- NMMC shuttle bus in operation



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Alternative 3



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Alternative 4



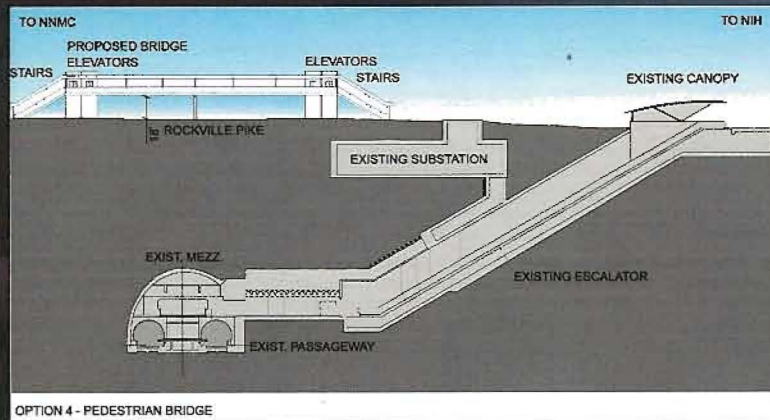
Assumptions

- New pedestrian bridge
- Possible at-grade crossing barrier
- Visual impact to historic setting
- NNMC shuttle bus in operation



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Alternative 4



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Next Steps

- Further refine alternatives
- Second stakeholder meeting
- Study completed by early 2009

Questions or comments?

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