



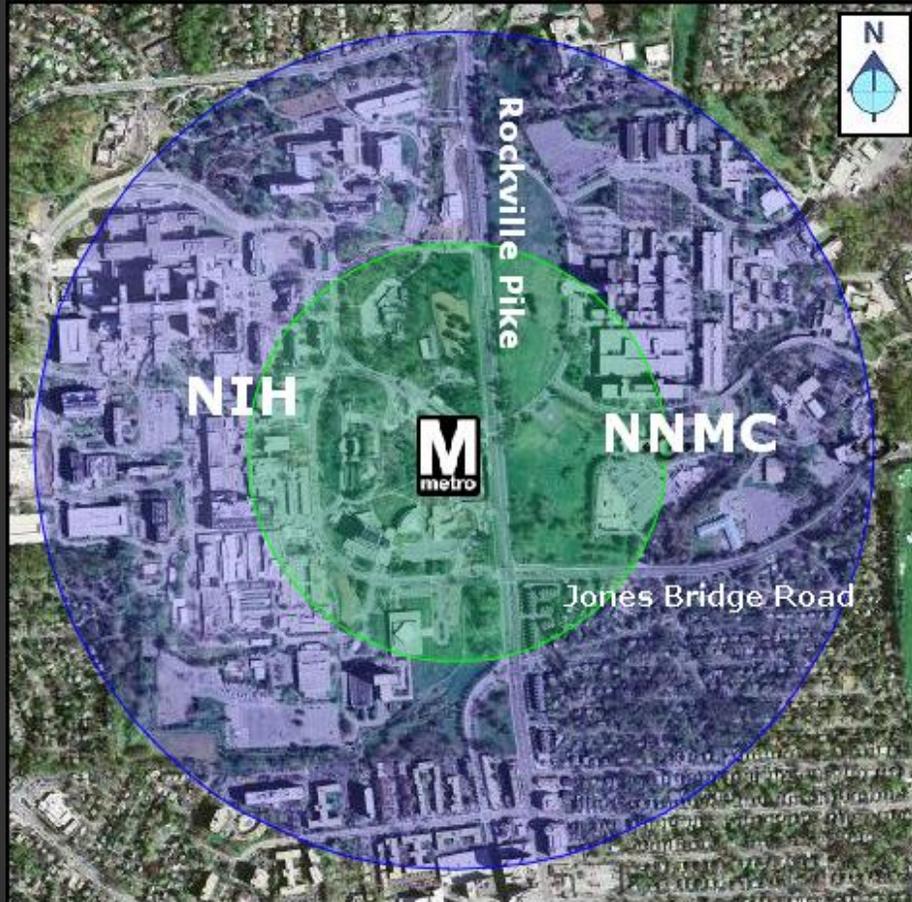
Medical Center Station Access Improvement Study

February 24, 2009

BRAC Implementation Committee Meeting



Medical Center Station



- Primarily serves large employment base:
 - NIH: Over 18,000 employees
 - NNMC: 8,000 employees

Study Goals

- Project Goals:
 - Encourage and support transit ridership
 - Reduce trip time
 - Both vehicles and pedestrians
 - Increase pedestrian safety
 - Explore cost effectiveness of potential alternatives



BRAC Build-Out

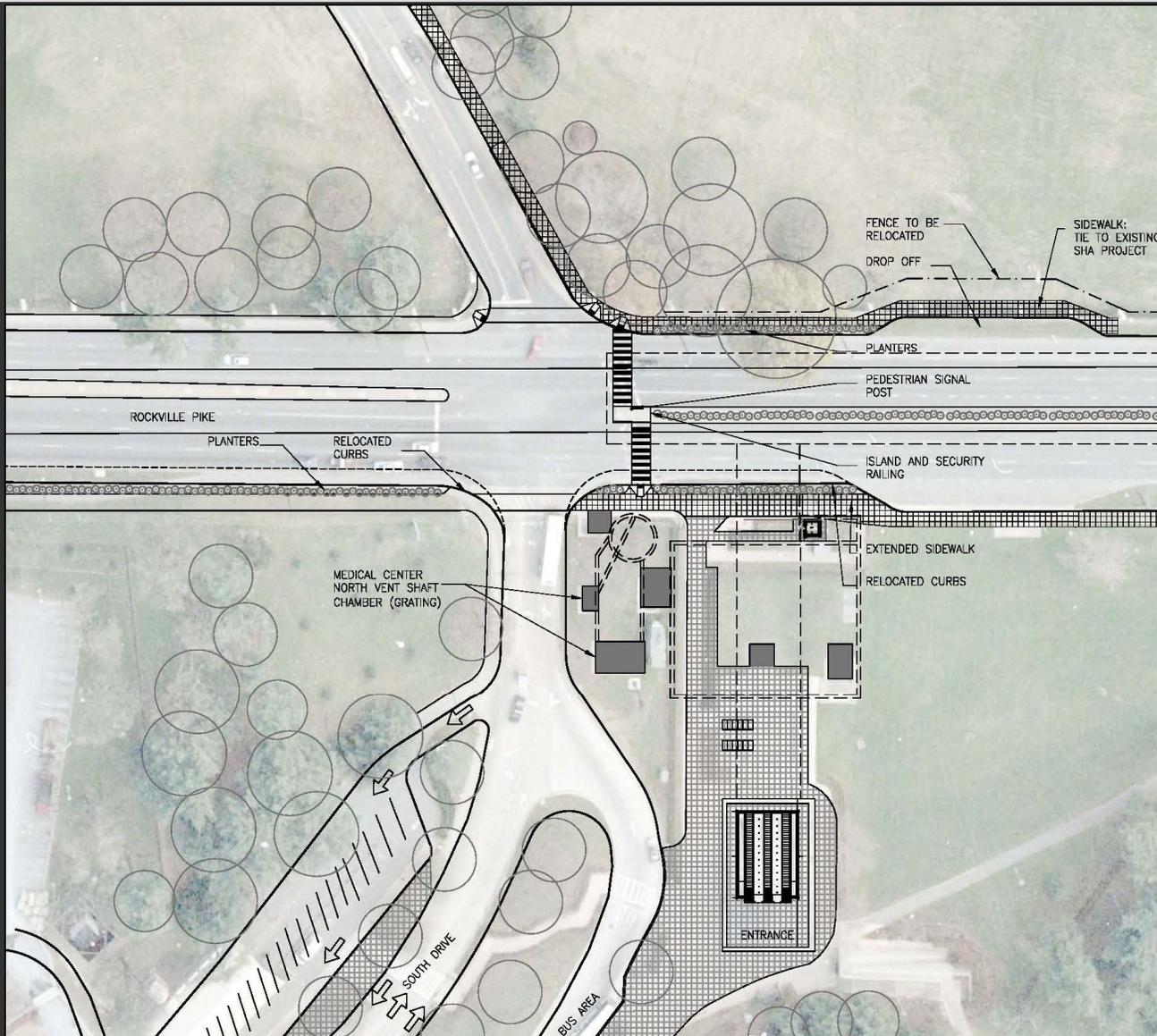
Alternatives



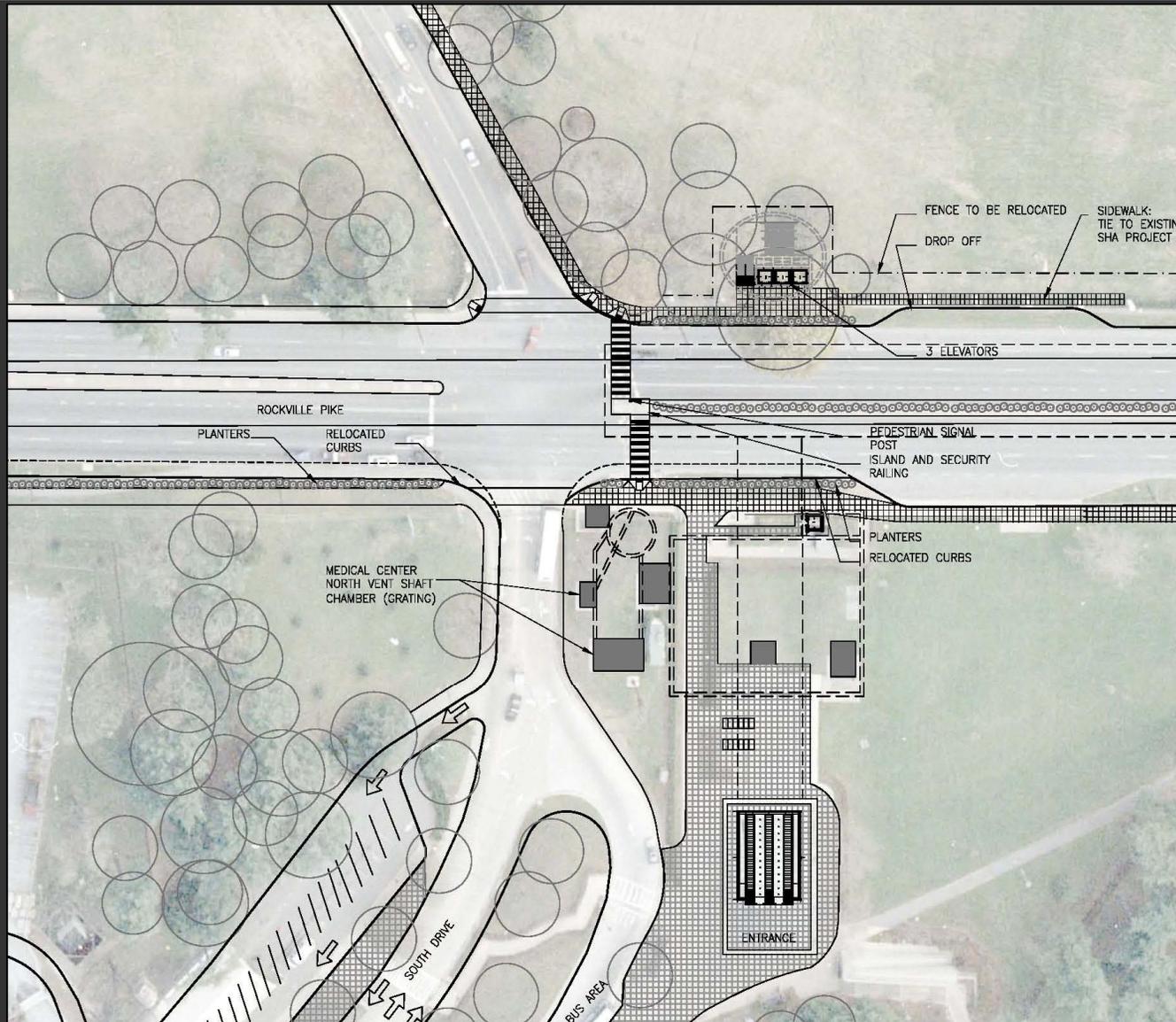
1. No build
2. Deep elevators
3. Shallow tunnel
4. Deep elevators & shallow tunnel
5. Pedestrian bridge



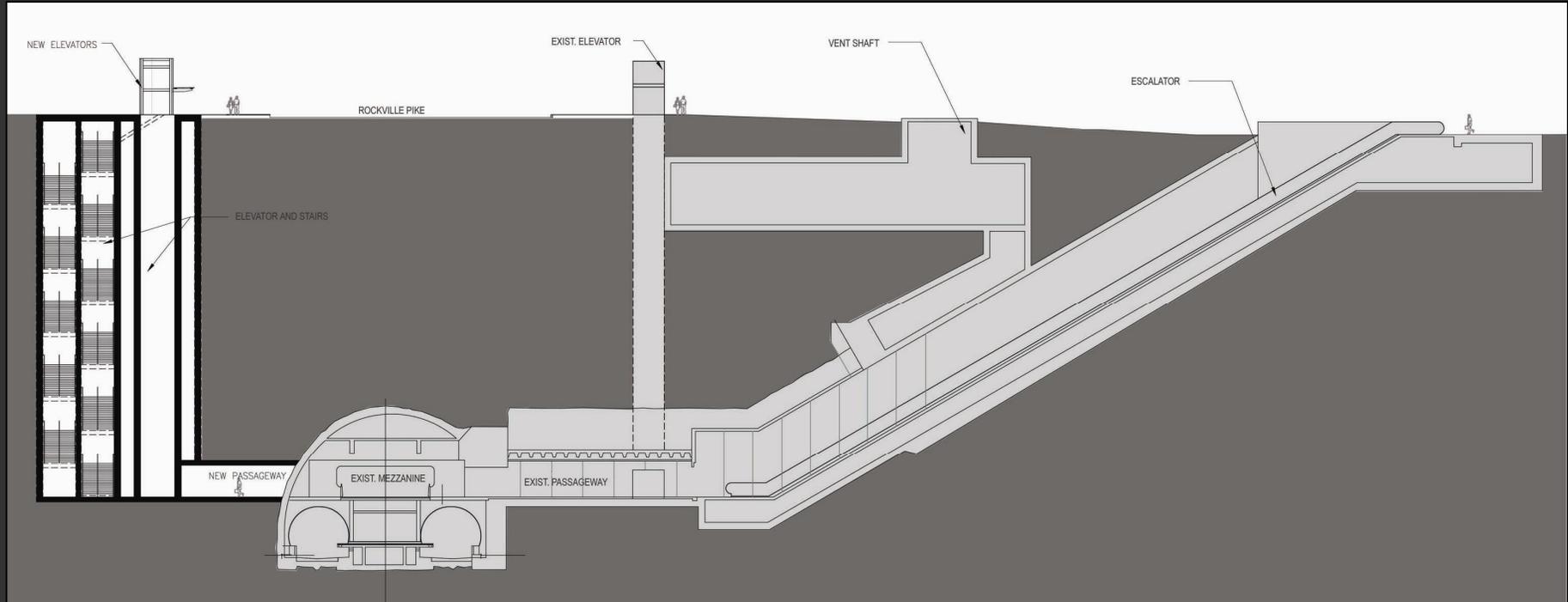
Alternative 1: No Build



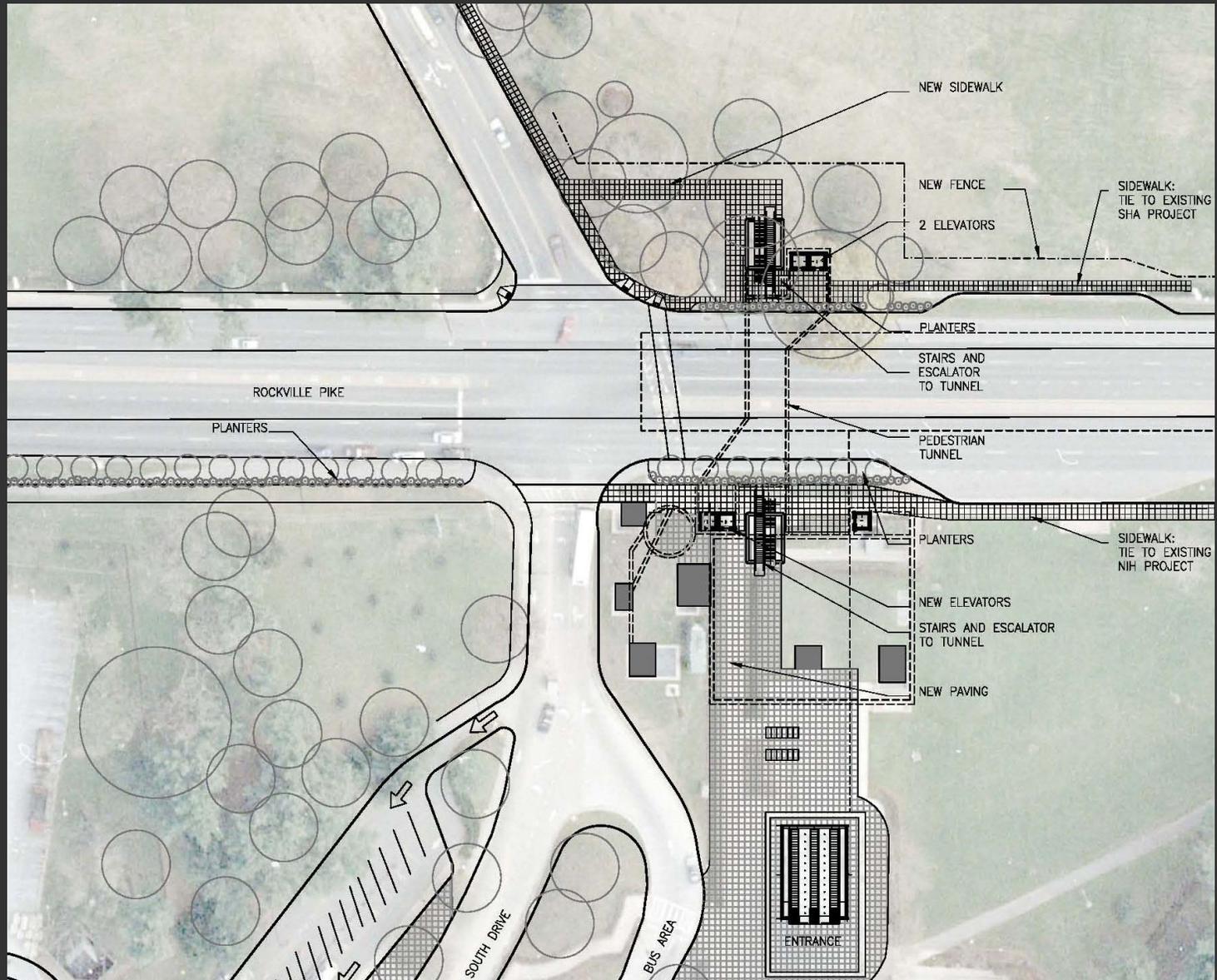
Alternative 2: Deep Elevators



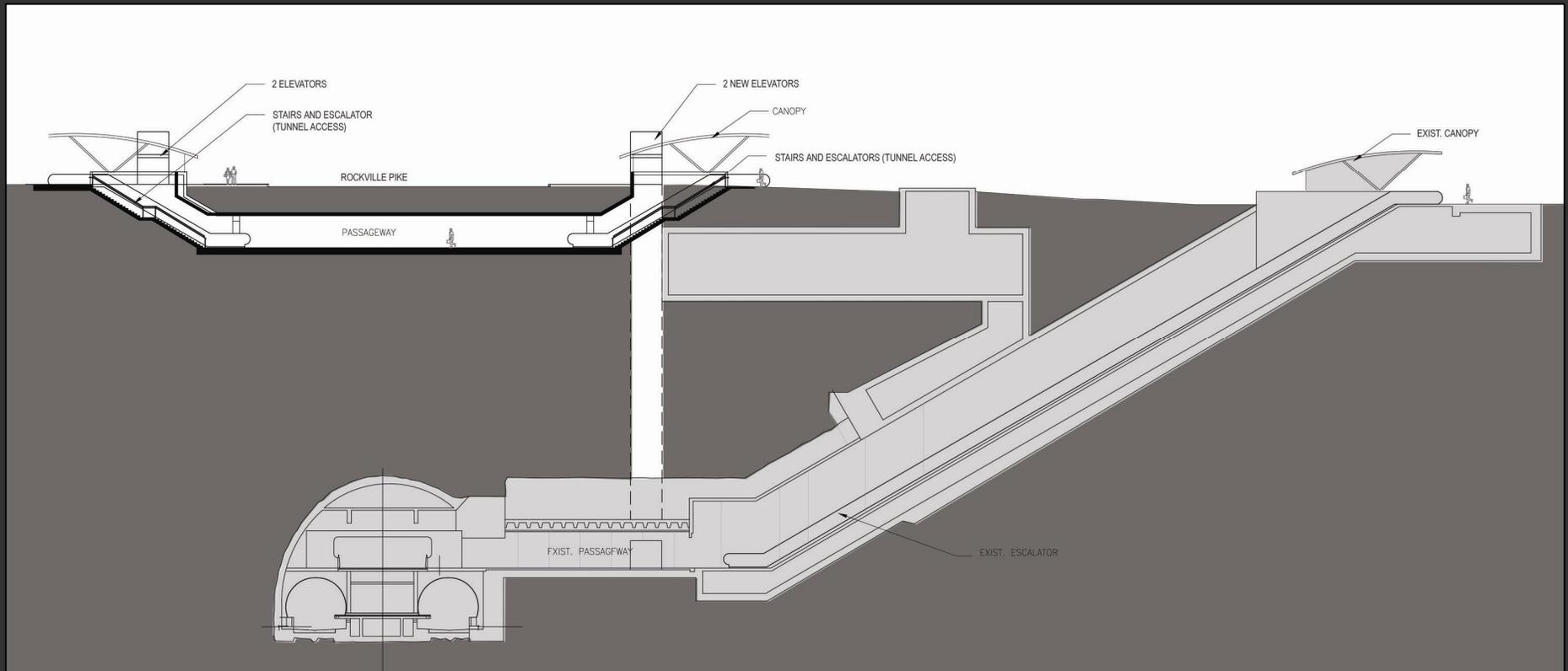
Alternative 2: Deep Elevators



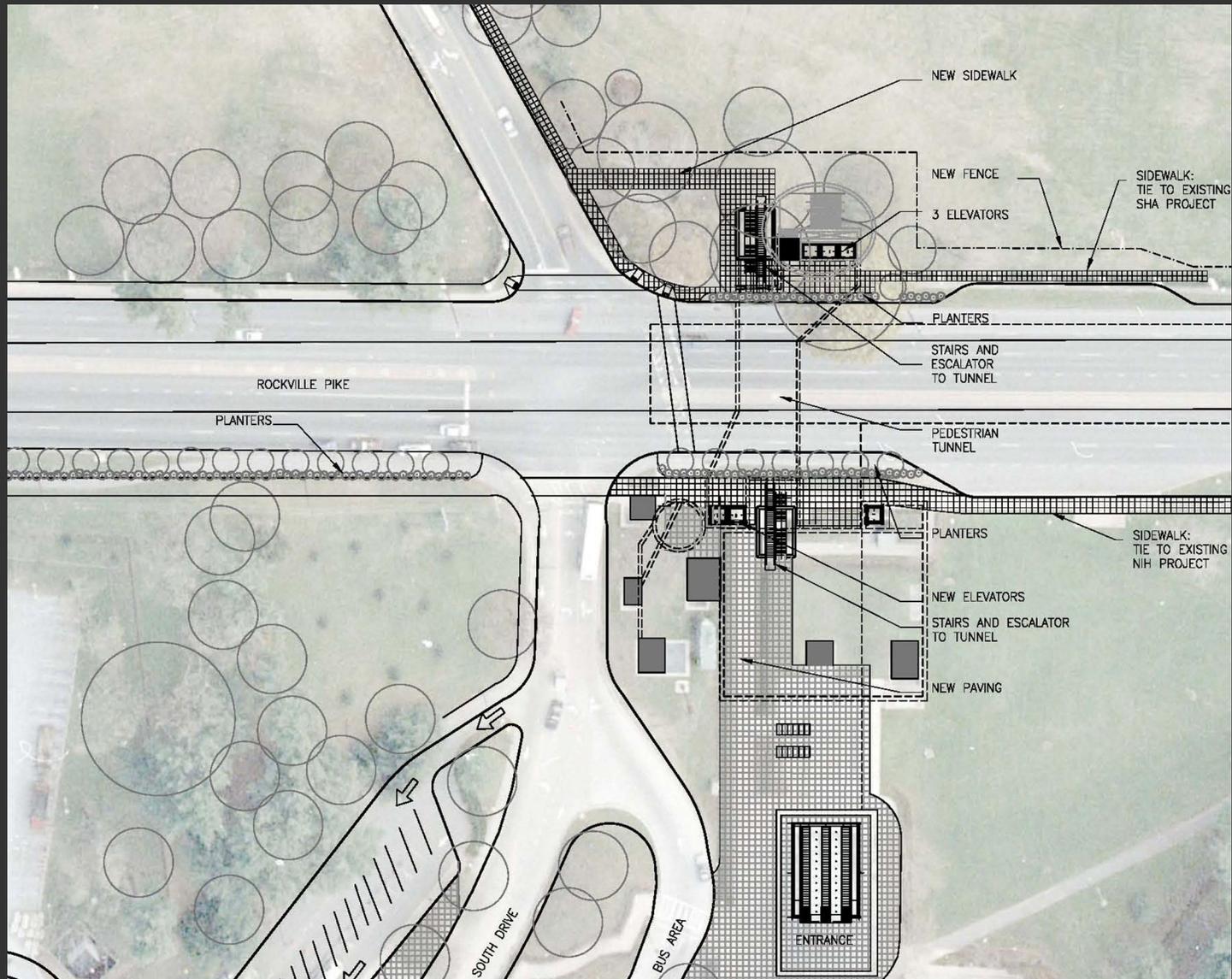
Alternative 3: Shallow Tunnel



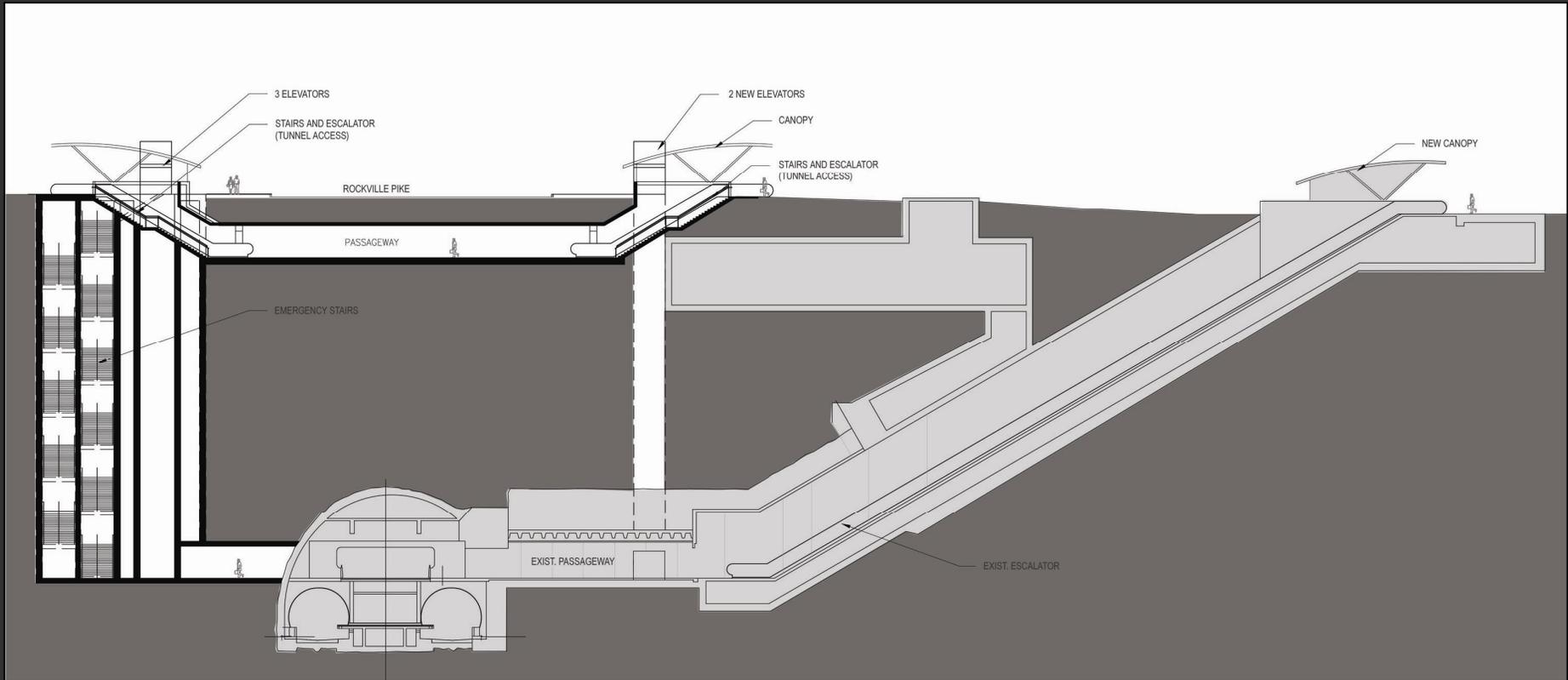
Alternative 3: Shallow Tunnel



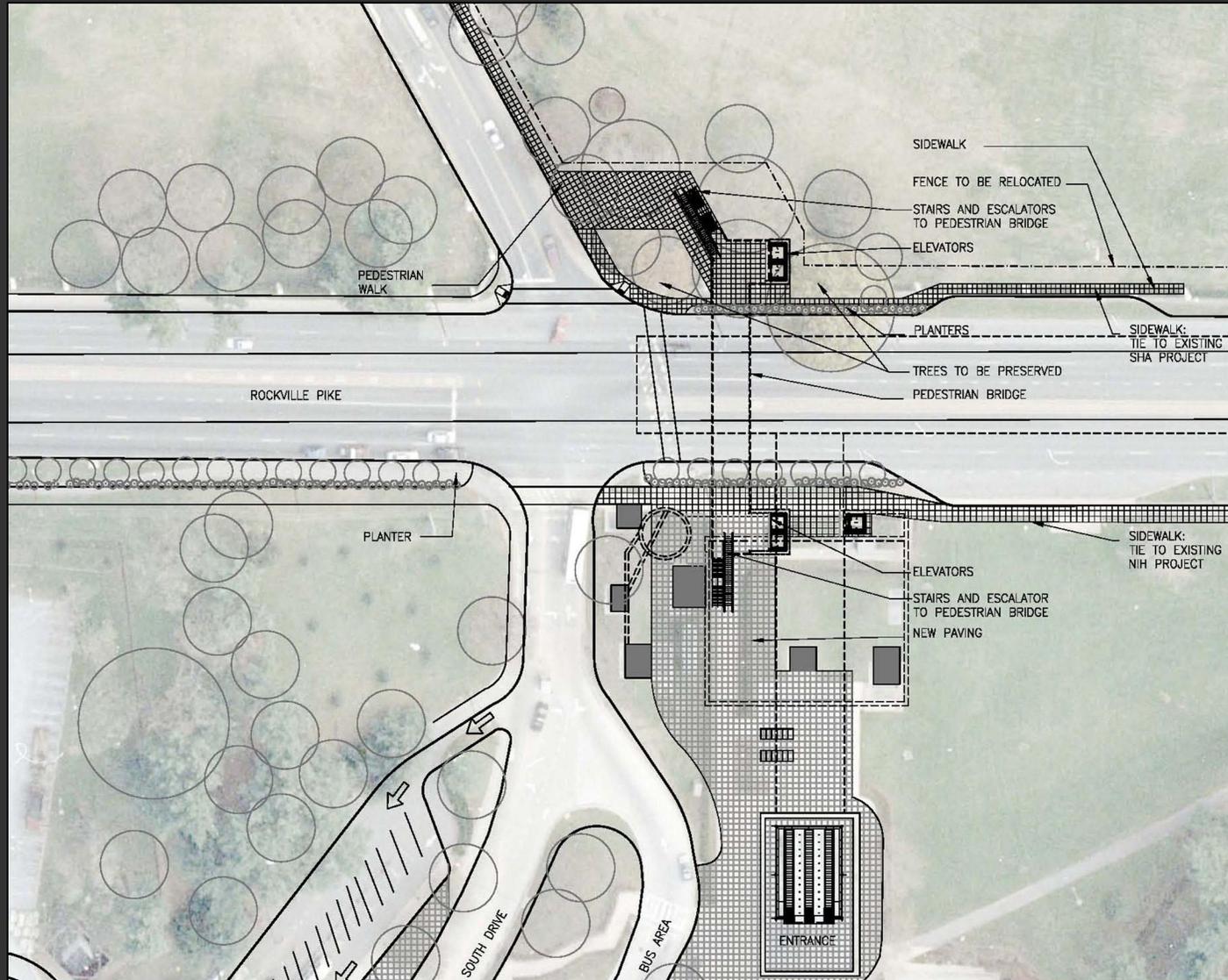
Alternative 4: Deep Elevators & Shallow Tunnel



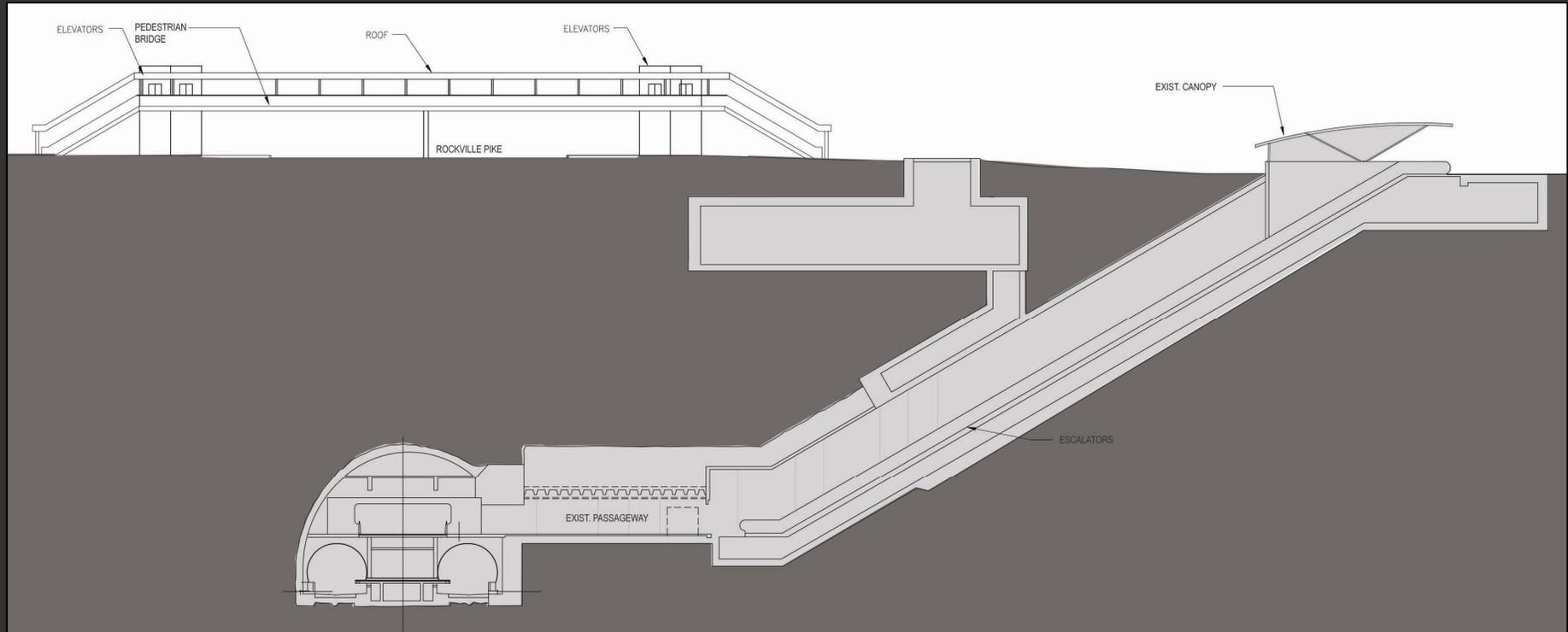
Alternative 4: Deep Elevators & Shallow Tunnel



Alternative 5: Pedestrian Bridge



Alternative 5: Pedestrian Bridge



Comparison of Alternatives



Performance Measure	Alternatives				
	1	2	3	4	5
<i>Increase Pedestrian Safety</i>					
# of conflicting traffic movements	High	Med	Low	Low	Low
<i>Reduce Trip Time</i>					
Vehicular delay	High	Med	Low	Low	Low
Pedestrian travel time (minutes)	7	3.5	7	3.5	7



Comparison of Alternatives



Performance Measure	Alternatives				
	1	2	3	4	5
Order of Magnitude Project Cost* FY08\$ (M)	1	32	16–30	46–60	12
Traffic Disruption	Low	Low	Med–High	Med–High	Med

* Cost estimates may increase during design phase depending on the following factors:

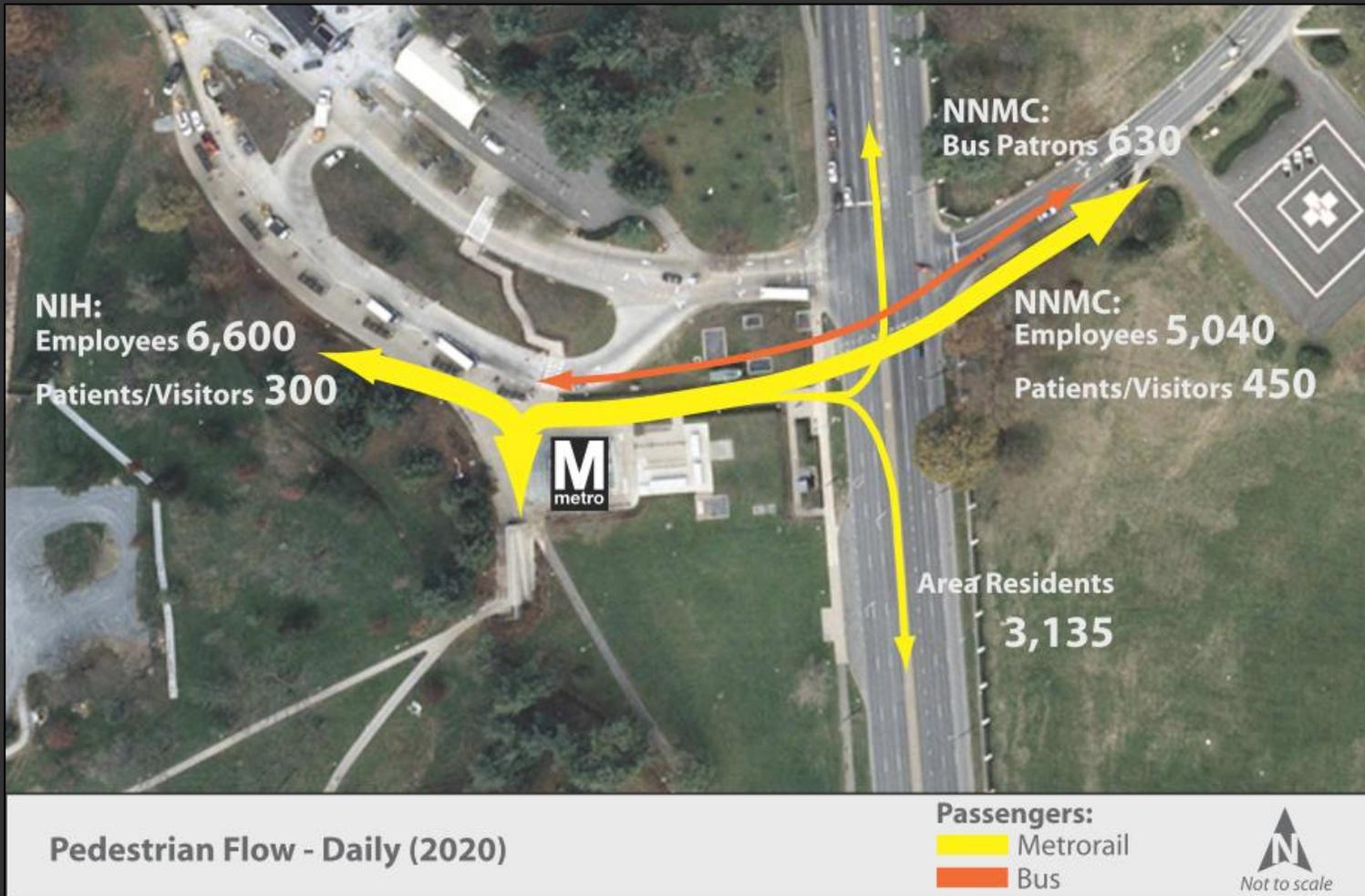
- Utilities
- Subsurface investigation
- Construction method



Future Station Activity

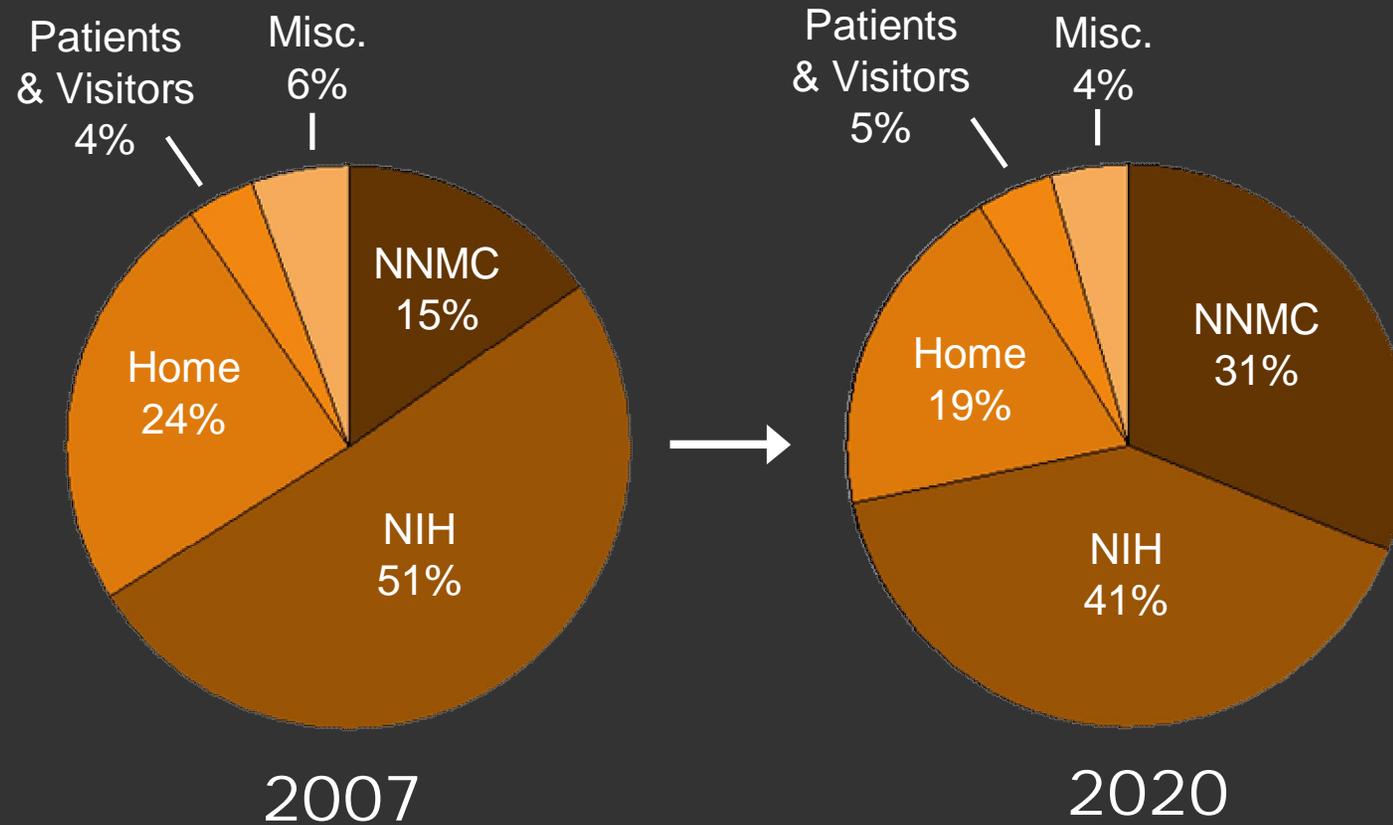


New entrance: 550-720 peak hour passengers



Ridership Growth

Over 16,000 daily passengers expected by 2020



Next Steps

- Refine alternatives
- Final report

Questions or comments?

Sara Benson, WMATA
sebenson@wmata.com

Robin McElhenny-Smith, WMATA
rmcelhennysmith@wmata.com

