

Germantown Forward

April 2008 CAC



Germantown: A Corridor City (1966)



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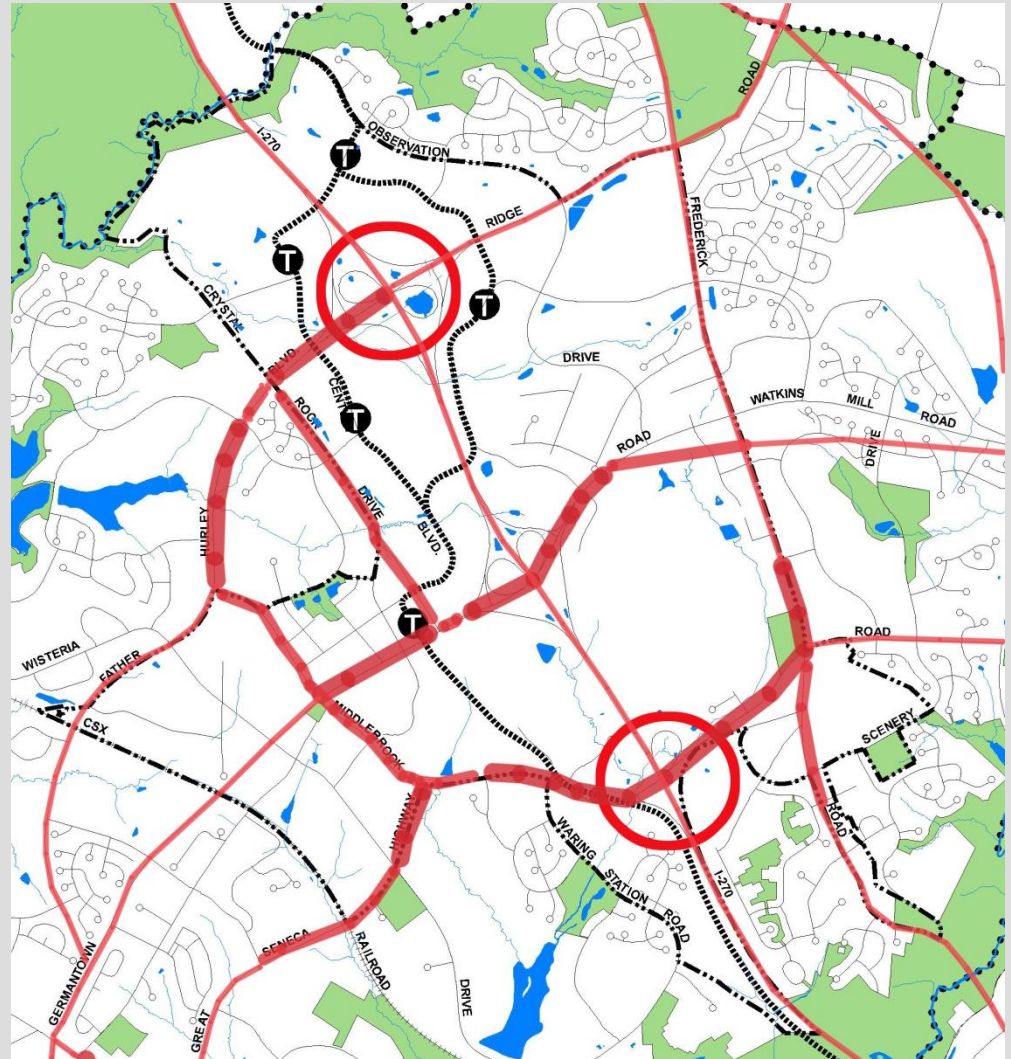
1974 Germantown Master Plan

- Twenty-five percent of the Germantown workforce lives and works in Germantown
- Create a balanced mix of autos, pedestrians and transit modes
- A transitway will connect Germantown to the Metro system



1974 Highway Traffic

- First stage – bus transit and commuter rail
- Second stage – a transitway along I-70-S will connect to Metro
- Third stage – upgrade to a rail transitway



- 50% of more over capacity
- 25-50% over capacity
- Up to 25% over capacity

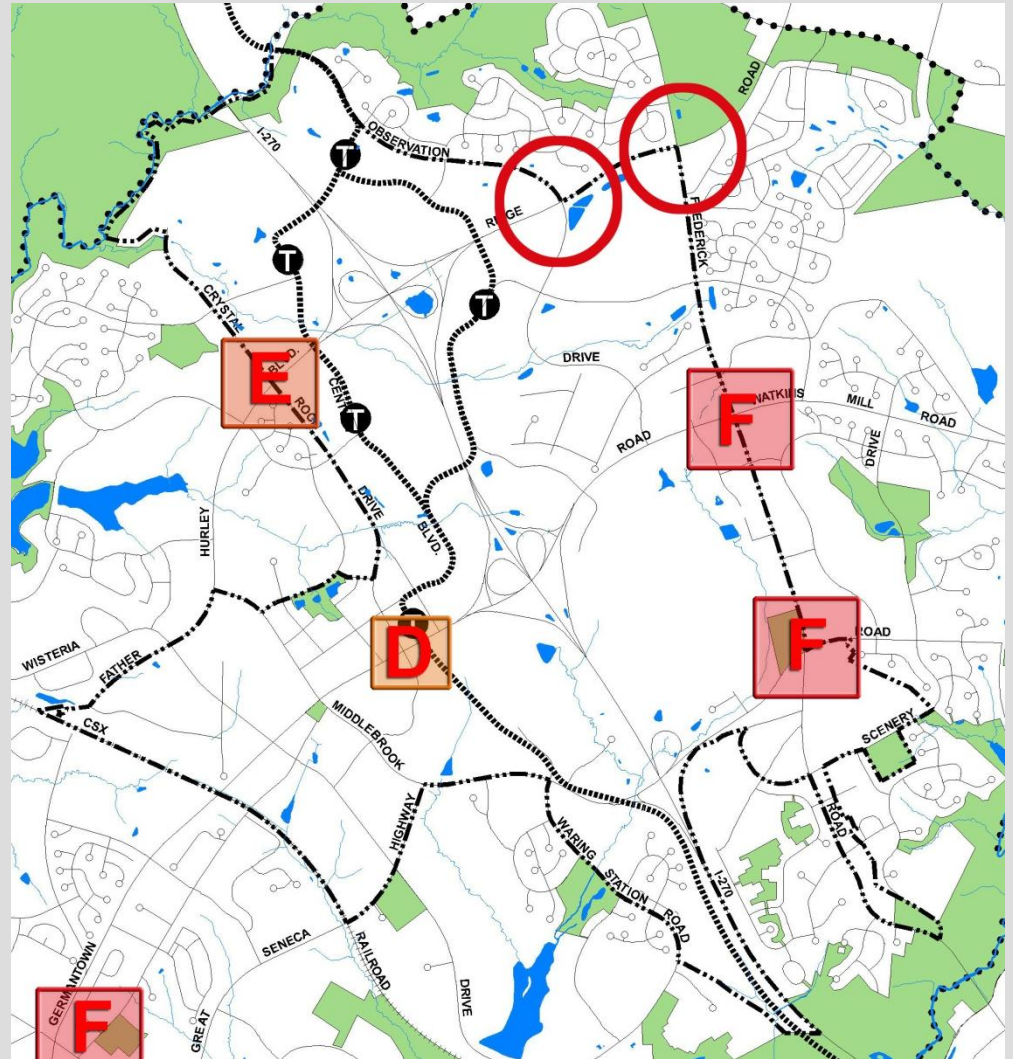
1989 Germantown Master Plan

- Provide a wide range of housing and employment opportunities
- Designed as a community with transit-serviceable land uses



1989 Intersection Level of Service

- Land use exceeds transportation capacity
- Two grade-separated interchanges proposed

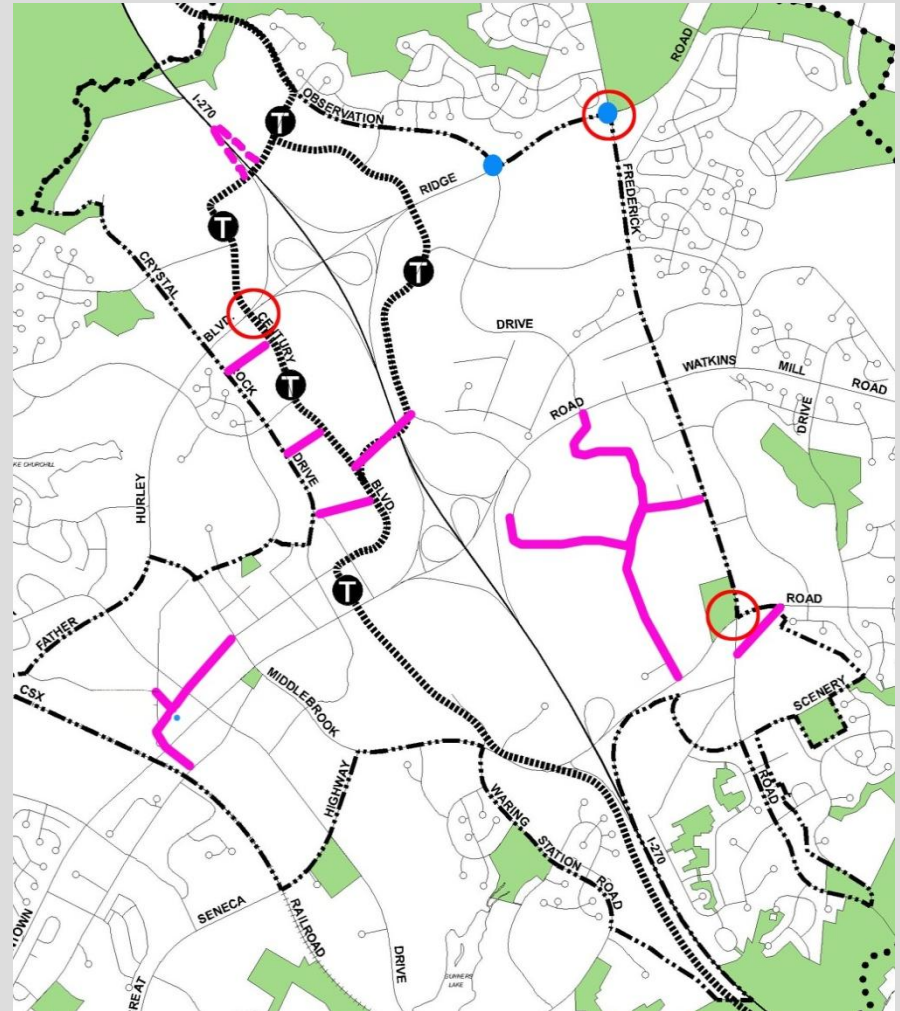


Roadway and Access Improvements

2008 Proposals

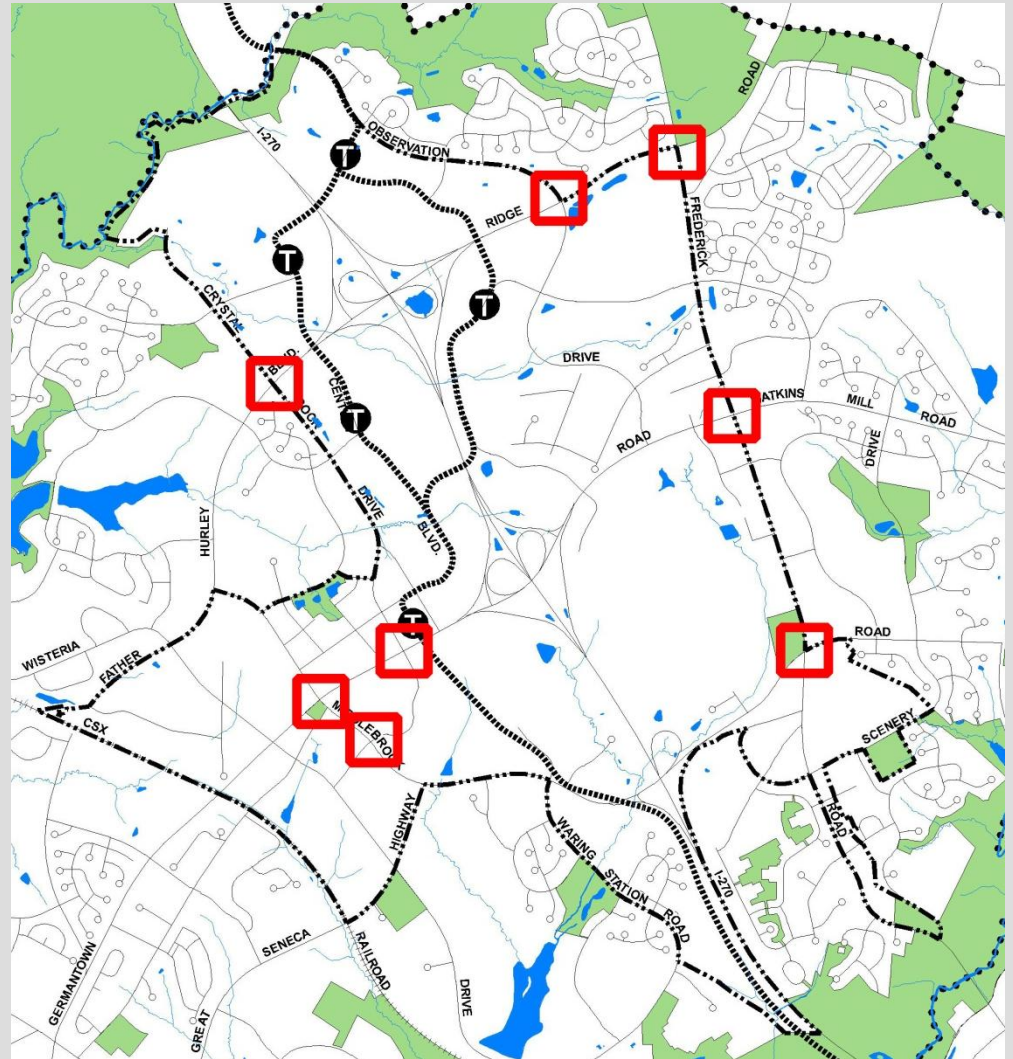
- New streets and connections
- Partial interchange at Dorsey Mill Road

- Intersection improvements under study
- 1989 Master Plan Proposed Interchanges



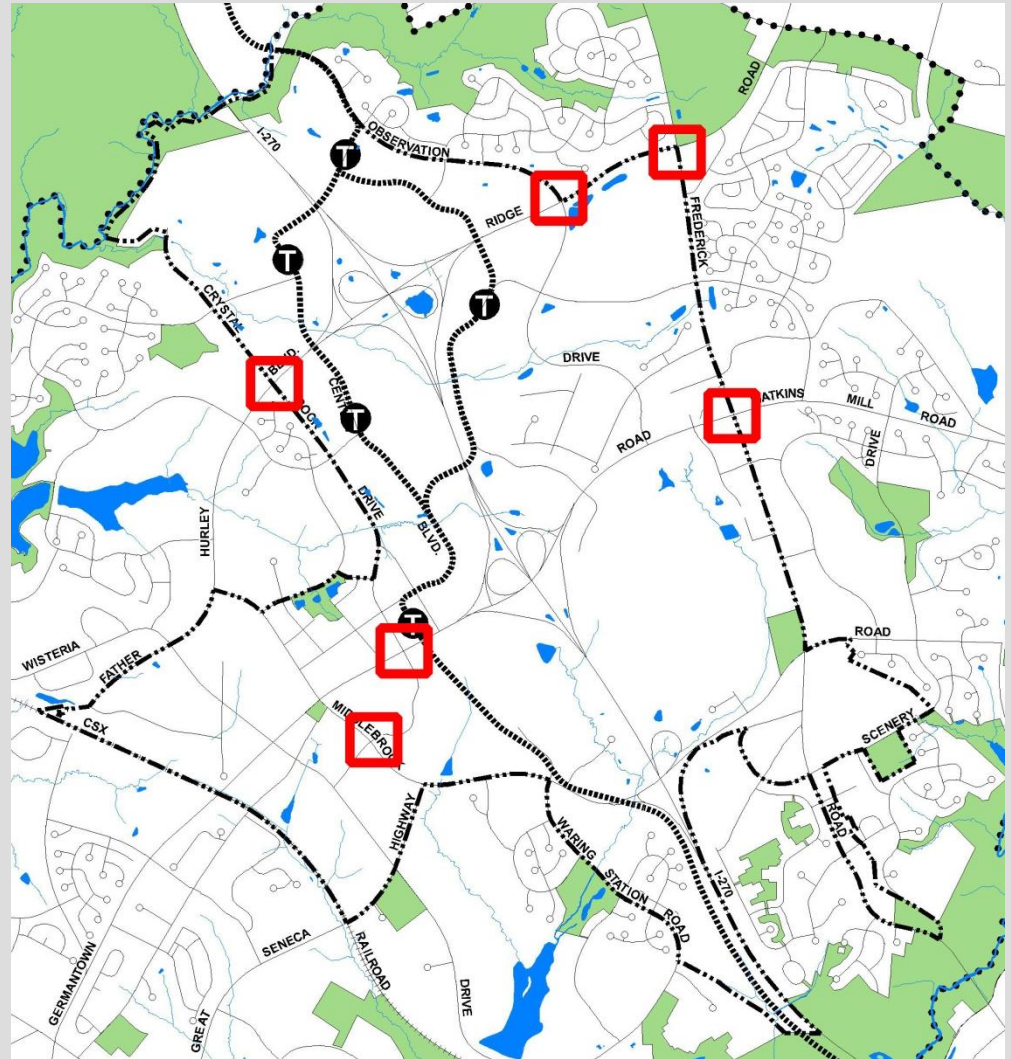
Intersection Capacity – Model 1

- 1425-1600 CLV
- No additional turn lanes
- Transit assumptions
- Failing intersections



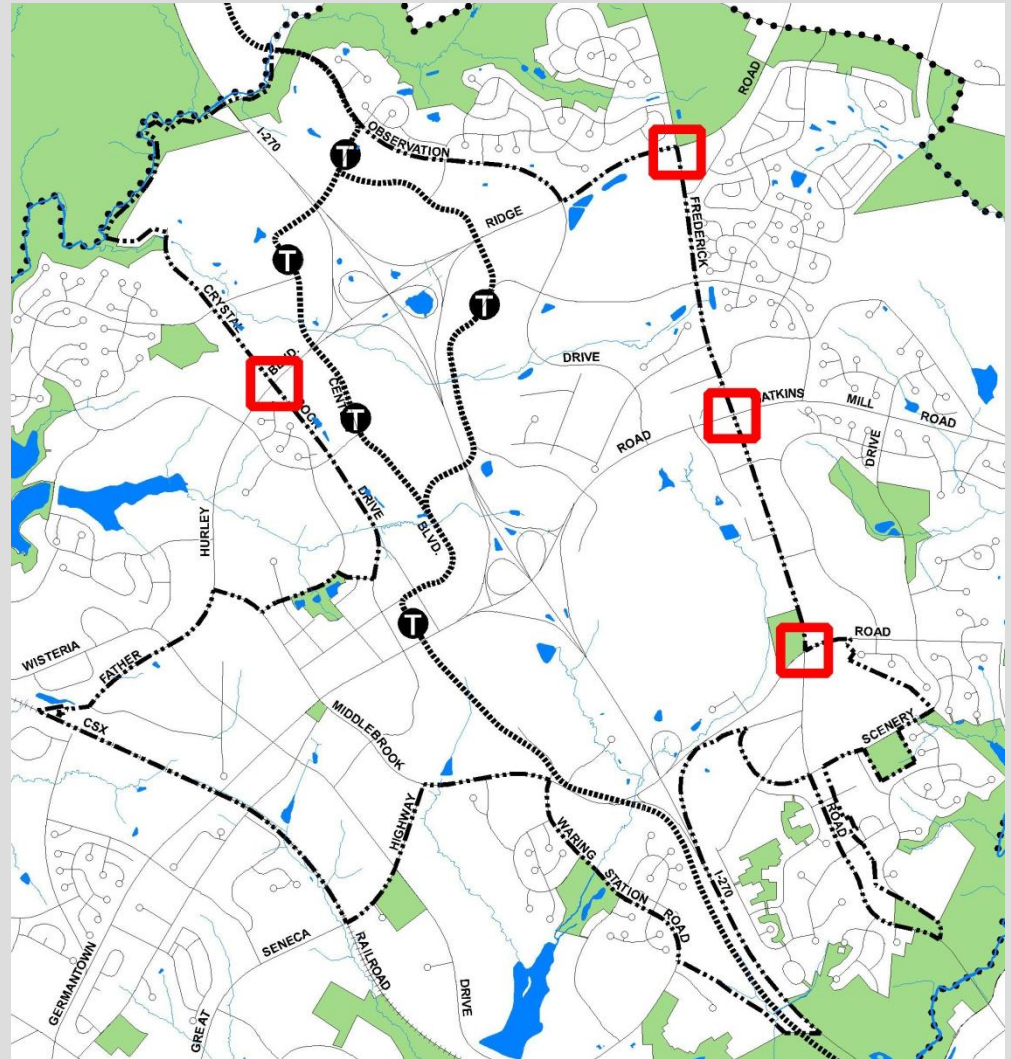
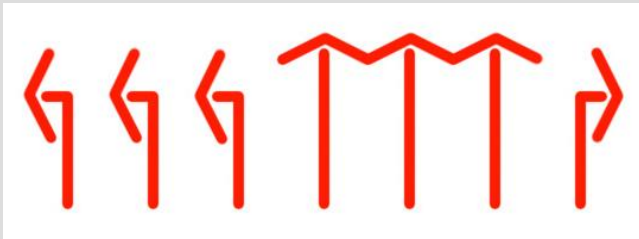
Intersection Capacity – Model 2

- 1425-1600 CLV
- Trip reduction rates using mixed use
- No additional turn lanes



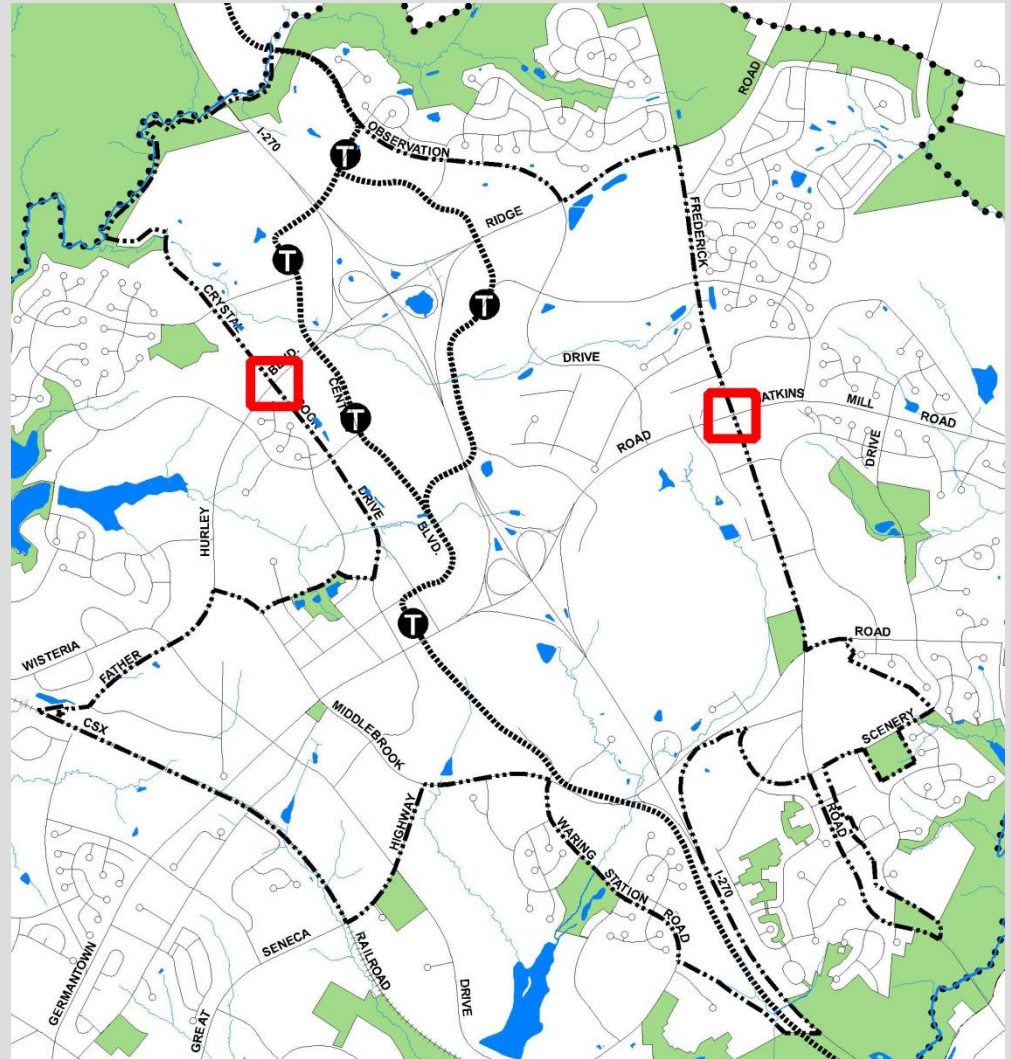
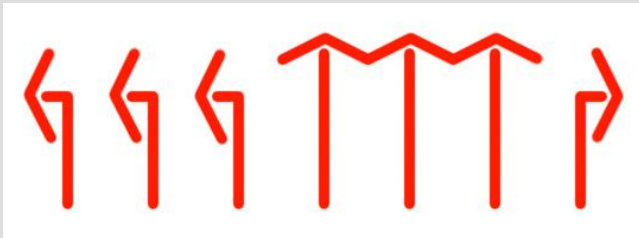
Intersection Capacity – Model 3

- 1425-1600 CLV
- No trip reduction rates
- With additional turn lanes



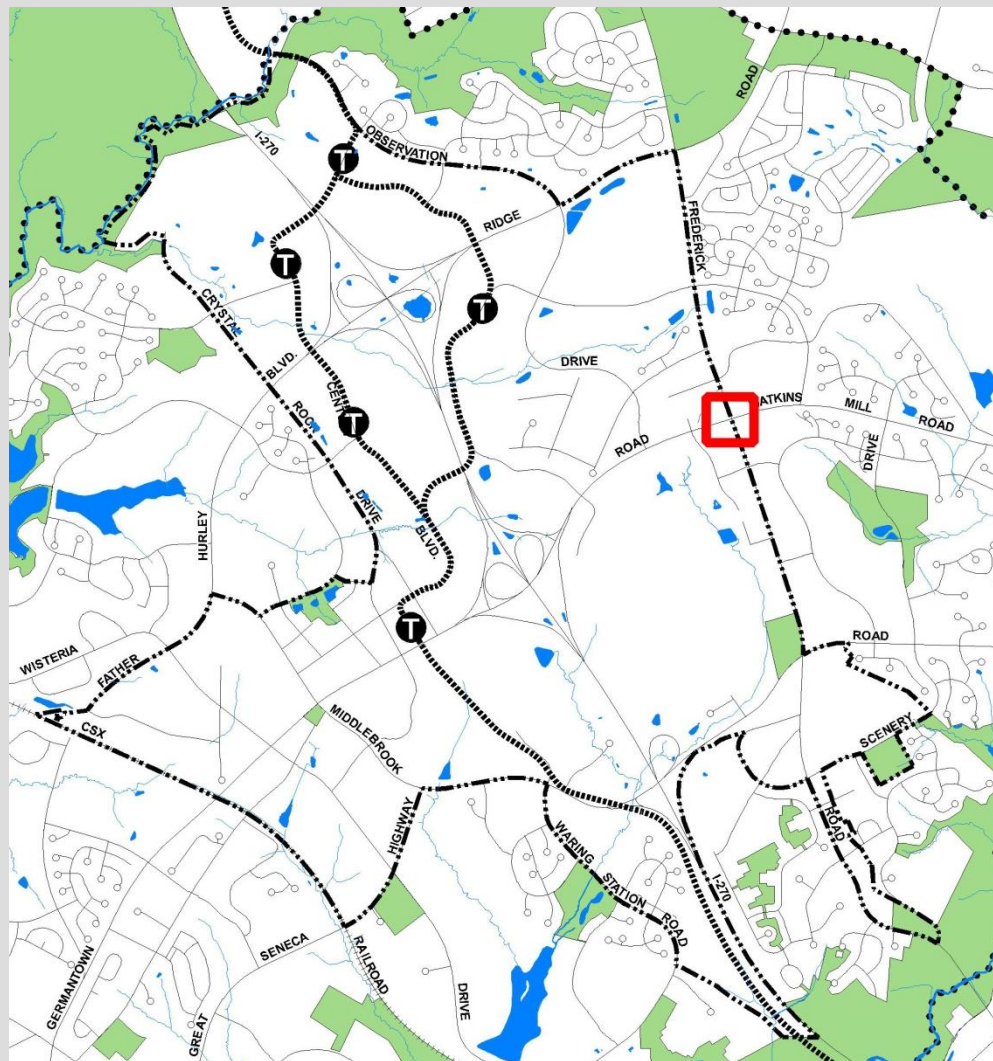
Intersection Capacity – Model 4

- 1425-1600 CLV
- Trip reduction rates with mixed use
- With additional turn lanes



Intersection Capacity – Model 5

- All at 1600 CLV
- With trip reduction rates
- With additional turn lanes



Mobility and Accessibility

- What is the balance between mobility and accessibility in Germantown for cars, pedestrians and bikes?
- How much congestion is acceptable?
- Where?
- How many lanes can a pedestrian safely cross?
- Other ideas?