

# ALTERNATIVE 6

## MD 355 - LOWER & UPPER WATKINS MILL - MASTER PLAN ALIGNMENT

- Improve existing MD 124 (Midcounty Highway) from existing 4 lanes to 5 lanes (3 EB, 2 WB) from Goshen Road to Montgomery Village Avenue
- Improve Montgomery Village Avenue (MD 124) from existing Midcounty Highway to MD 355 (Frederick Road)
  - Major intersection improvements at Midcounty Highway and at MD 355
  - Bike path on the east side
- Improve MD 355 intersections at Montgomery Village Avenue (MD 124), Christopher Avenue, and Watkins Mill Road
- Improve Watkins Mill Road to 4 lane, divided w/ 16'-28' median from MD 355 to northern intersection with proposed Master Plan Alignment
- Northern Terminus Design Options:

### OPTION 6A

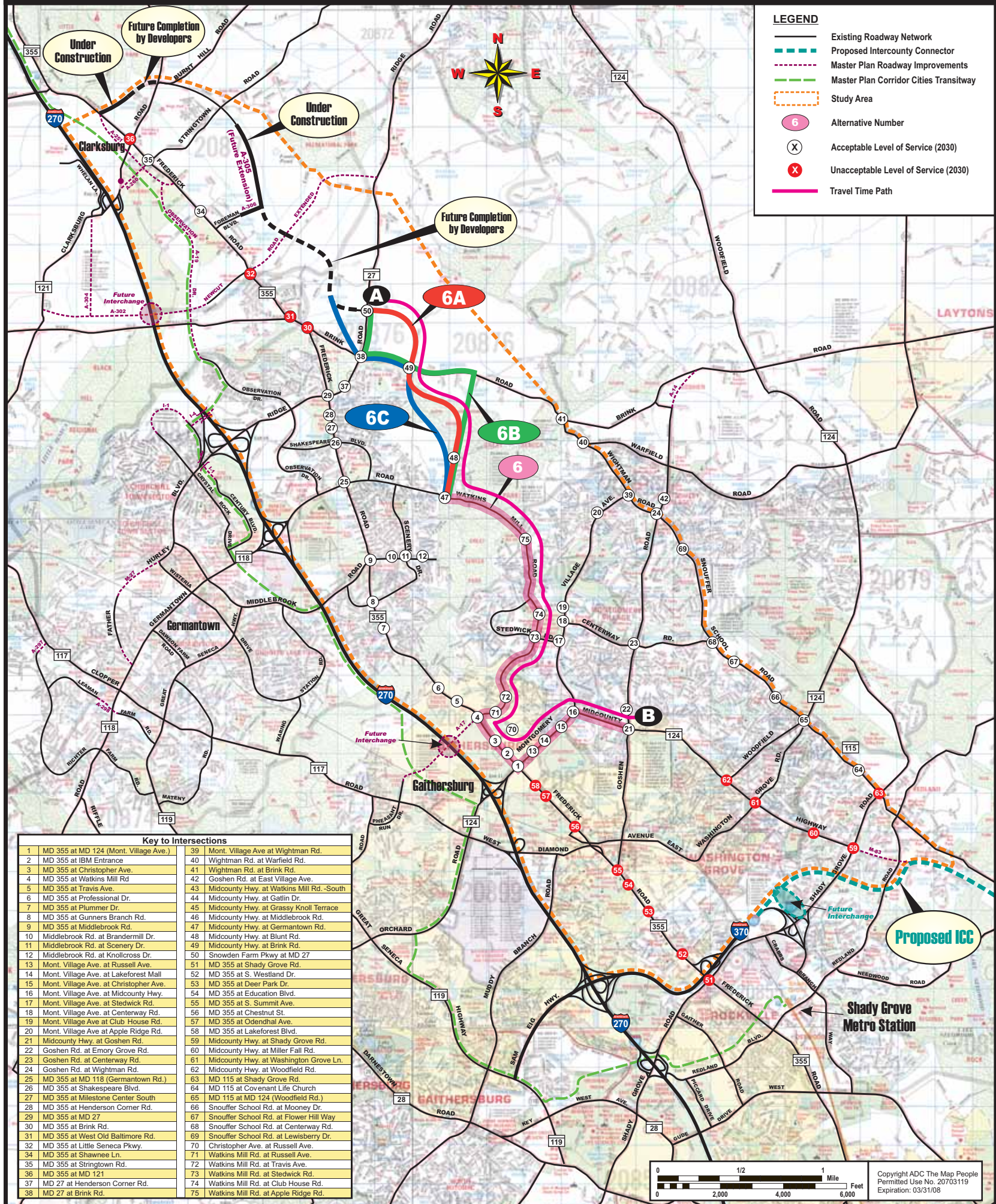
- Master Plan Alignment with 4 lanes, divided w/ 16'-28' median to proposed terminus of future Snowden Farm Parkway (A-305)

### OPTION 6B

- Master Plan Alignment with 4 lanes, divided w/ 16'-28' median to easternmost proposed intersection with Brink Road
- Improve Brink Road to 4 lanes, divided w/ 16' median to the intersection with MD 27 (Ridge Road)
- Improve MD 27 (Ridge Road) with a sidewalk on east side to proposed terminus of future Snowden Farm Parkway (A-305)

### OPTION 6C

- Master Plan Alignment with 4 lanes, divided w/ 16'-28' median to the west of the park to westernmost proposed intersection with Brink Road
- Improve Brink Road to 4 lanes, divided w/ 28' median to the intersection with MD 27 (Ridge Road)
- Build new alignment with 4 lanes, divided w/ 28' median to point west of proposed terminus of future Snowden Farm Parkway (A-305)



1 MD 355 at MD 124 (Mont. Village Ave.)	39 Mont. Village Ave at Wightman Rd.
2 MD 355 at IBM Entrance	40 Wightman Rd. at Warfield Rd.
3 MD 355 at Christopher Ave.	41 Wightman Rd. at Brink Rd.
4 MD 355 at Watkins Mill Rd.	42 Goshen Rd. at East Village Ave.
5 MD 355 at Travis Ave.	43 Midcounty Hwy. at Watkins Mill Rd. -South
6 MD 355 at Professional Dr.	44 Midcounty Hwy. at Gatlin Dr.
7 MD 355 at Plummer Dr.	45 Midcounty Hwy. at Grassy Knoll Terrace
8 MD 355 at Gunners Branch Rd.	46 Midcounty Hwy. at Middlebrook Rd.
9 MD 355 at Middlebrook Rd.	47 Midcounty Hwy. at Germantown Rd.
10 Middlebrook Rd. at Brandemill Dr.	48 Midcounty Hwy. at Blunt Rd.
11 Middlebrook Rd. at Scenery Dr.	49 Midcounty Hwy. at Brink Rd.
12 Middlebrook Rd. at Knollcross Dr.	50 Snowden Farm Pkwy at MD 27
13 Mont. Village Ave. at Russell Ave.	51 MD 355 at Shady Grove Rd.
14 Mont. Village Ave. at Lakelorest Mall	52 MD 355 at S. Westland Dr.
15 Mont. Village Ave. at Christopher Ave.	53 MD 355 at Deer Park Dr.
16 Mont. Village Ave. at Midcounty Hwy.	54 MD 355 at Education Blvd.
17 Mont. Village Ave. at Stedwick Rd.	55 MD 355 at S. Summit Ave.
18 Mont. Village Ave. at Centerway Rd.	56 MD 355 at Chestnut St.
19 Mont. Village Ave. at Club House Rd.	57 MD 355 at Odenchal Ave.
20 Mont. Village Ave. at Apple Ridge Rd.	58 MD 355 at Lakeforest Blvd.
21 Midcounty Hwy. at Goshen Rd.	59 Midcounty Hwy. at Shady Grove Rd.
22 Goshen Rd. at Emory Grove Rd.	60 Midcounty Hwy. at Miller Fall Rd.
23 Goshen Rd. at Centerway Rd.	61 Midcounty Hwy. at Washington Grove Ln.
24 Goshen Rd. at Wightman Rd.	62 Midcounty Hwy. at Woodfield Rd.
25 MD 355 at MD 118 (Germantown Rd.)	63 MD 115 at Shady Grove Rd.
26 MD 355 at Shakespeare Blvd.	64 MD 115 at Covenant Life Church
27 MD 355 at Milestone Center South	65 MD 115 at MD 124 (Woodfield Rd.)
28 MD 355 at Henderson Corner Rd.	66 Snouffer School Rd. at Mooney Dr.
29 MD 355 at MD 27	67 Snouffer School Rd. at Flower Hill Way
30 MD 355 at Brink Rd.	68 Snouffer School Rd. at Centerway Rd.
31 MD 355 at West Old Baltimore Rd.	69 Snouffer School Rd. at Lewisberry Dr.
32 MD 355 at Little Seneca Pkwy.	70 Christopher Ave. at Russell Ave.
34 MD 355 at Shawnee Ln.	71 Watkins Mill Rd. at Trussell Ave.
35 MD 355 at Stringtown Rd.	72 Watkins Mill Rd. at Travis Ave.
36 MD 355 at MD 121	73 Watkins Mill Rd. at Stedwick Rd.
37 MD 27 at Henderson Corner Rd.	74 Watkins Mill Rd. at Club House Rd.
38 MD 27 at Brink Rd.	75 Watkins Mill Rd. at Apple Ridge Rd.

## ALTERNATIVE 6

**Advantage:**

- Improves the greatest number of over-congested intersections within the study area.

**Disadvantages:**

- More locations for traffic conflicts (e.g. intersections and driveways) than most other alternatives
- Relatively high natural resource, community, and property impacts
- Relatively high travel times and delay
- High pedestrian traffic along portions of route

**Recommended in Master Plan:**

- No, Watkins Mill Rd. master plan as a 4-lane, undivided arterial (Alt 6 proposes 4-lane divided).

**OPTION 6A**

**Advantages:**

- Less impact to residences
- Does not conflict with approved alignment for Snowden Farm Parkway (A-305)

**Disadvantage:**

- More environmental impacts

**OPTION 6B**

**Advantages:**

- Least impact to streams and Special Protection Areas
- Does not conflict with approved alignment for Snowden Farm Parkway (A-305)

**Disadvantages:**

- Most impact to residential properties
- Longest travel distance
- Most indirect route
- Requires a left turn for through traffic requiring to continue to and from Snowden Farm Parkway (A-305)

**OPTION 6C**

**Advantages:**

- Less impact to biodiversity and Forest Interior Dwelling Species (FIDS) areas and upland forest
- Less impact to most other natural resources

**Disadvantages:**

- Potentially conflicts with approved alignment for a portion of Snowden Farm Parkway (A-305)
- More impact to farmland

Environmental Criteria	Option		
	A	B	C
Length of Route (miles)	7	8	7
Total Wetland Impacts (acres)	7	6	6
Stream Crossings Impacted	15	13	15
Forested Land Impacts (acres)	38	42	30
Farmland Impacts (acres)	23	21	41
Publicly-owned Parks & Recreational Facilities Impacts (acres)	36	27	27
Right-of-Way Impacts (acres)	103	97	102
<b>Purpose &amp; Need Criteria</b>			
Over-Congested Intersections in the Study Area	17	17	17
Round Trip Peak Hour Travel Time (minutes)	38	38	38
Signalized Intersections	16	17	17
Unsignalized Intersections	17	21	18
Driveways	28	44	31

**DPWT will diligently work with environmental regulatory agencies to avoid, minimize, and mitigate environmental impacts.**