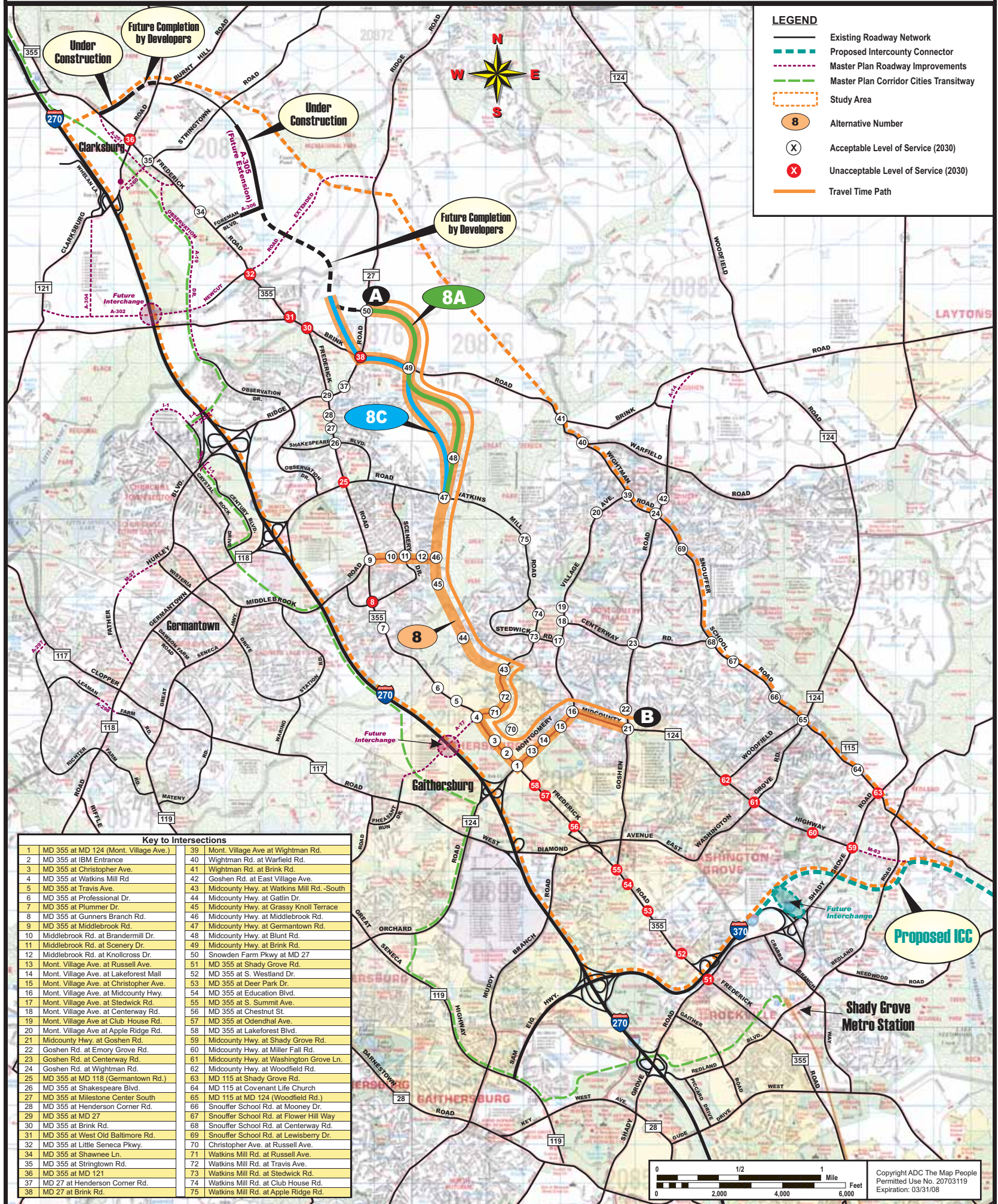


ALTERNATIVE 8

MD 355 - LOWER WATKINS MILL ROAD - MASTER PLAN ALIGNMENT Recommended for ARDS (Alternatives Retained for Detailed Study)

- Improve existing MD 124 (Midcounty Highway) from existing 4 lanes to 5 lanes (3EB, 2WB) 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, Watkins Mill Road, and Middlebrook Road
 - Northbound auxiliary lane from Christopher Avenue to Watkins Mill Road
- Improve Watkins Mill Road to 4 lanes, divided w/ 16'-28' median from MD 355 to southern intersection with proposed Master Plan Alignment
- Build Master Plan Alignment with 4 lanes, divided w/ 16'-28' median from Watkins Mill Road to Middlebrook Road

- Improve Middlebrook Road from MD 355 to the Master Plan Alignment
 - Widen from existing 2 lanes to 7 lanes (4 WB, 3 EB), divided w/ 16' median
 - Sidewalk on north side
- Build Master Plan Alignment with 5 lanes (3 SB, 2 NB), divided w/ 16'-28' median from Middlebrook Road to Blunt Road
- Northern Terminus Design Options:
 - OPTION 8A**
 - Master Plan Alignment with 4-6 lanes, divided w/ 16'-28' median to proposed terminus of future Snowden Farm Parkway (A-305)
 - OPTION 8C**
 - Master Plan Alignment with 4-6 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 Lakeforest 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 Odendhal 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 Shakespear 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 Russell 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 8

Advantages:

- Moderate travel time improvement
- Avoids Whetstone Run between Montgomery Village Avenue and Watkins Mill Road
- Relatively few access points thus fewer traffic conflicts

Disadvantage:

- Significant natural resource, park, and property impacts

Recommended in Master Plan:

- No, Watkins Mill Road Master Planned as a 4-lane, undivided arterial (Alternative 8 proposes 4-lane, divided)

OPTION 8A

Advantages:

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

Disadvantage:

- More environmental impacts

OPTION 8C

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	C
Length of Route (miles)	7	7
Total Wetland Impacts (acres)	11	10
Stream Crossings Impacted	15	15
Forested Land Impacts (acres)	59	52
Farmland Impacts (acres)	24	42
Publicly-owned Parks & Recreational Facilities Impacts (acres)	44	35
Right-of-Way Impacts (acres)	110	109
Purpose & Need Criteria		
Over-Congested Intersections in the Study Area	20	20
Round Trip Peak Hour Travel Time (minutes)	33	33
Signalized Intersections	15	16
Unsignalized Intersections	10	11
Driveways	15	16

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

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