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Manor View Elementary School Safe Routes to School Accessibility Study: Existing Conditions and Recommendations

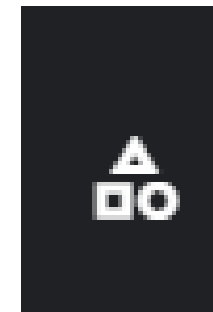
October 25, 2023

Introductions

The screenshot shows the Anne Arundel County website. At the top, there is a navigation bar with links for News, Events, Jobs, Maps, OpenArundel, and Translate. Below this is the Anne Arundel County logo and a search bar. The main content area is titled 'Capital Projects' and includes a sub-header 'Safe Routes to Schools'. A 'Project Documents / Videos' section is highlighted, listing various accessibility study reports for different schools, such as 'Waugh Chapel ES.pdf', 'Tyler Heights ES.pdf', and 'Sunset ES.pdf'. A 'Project Description' section is also visible, mentioning a contract to study existing conditions and prioritize infrastructure improvements.

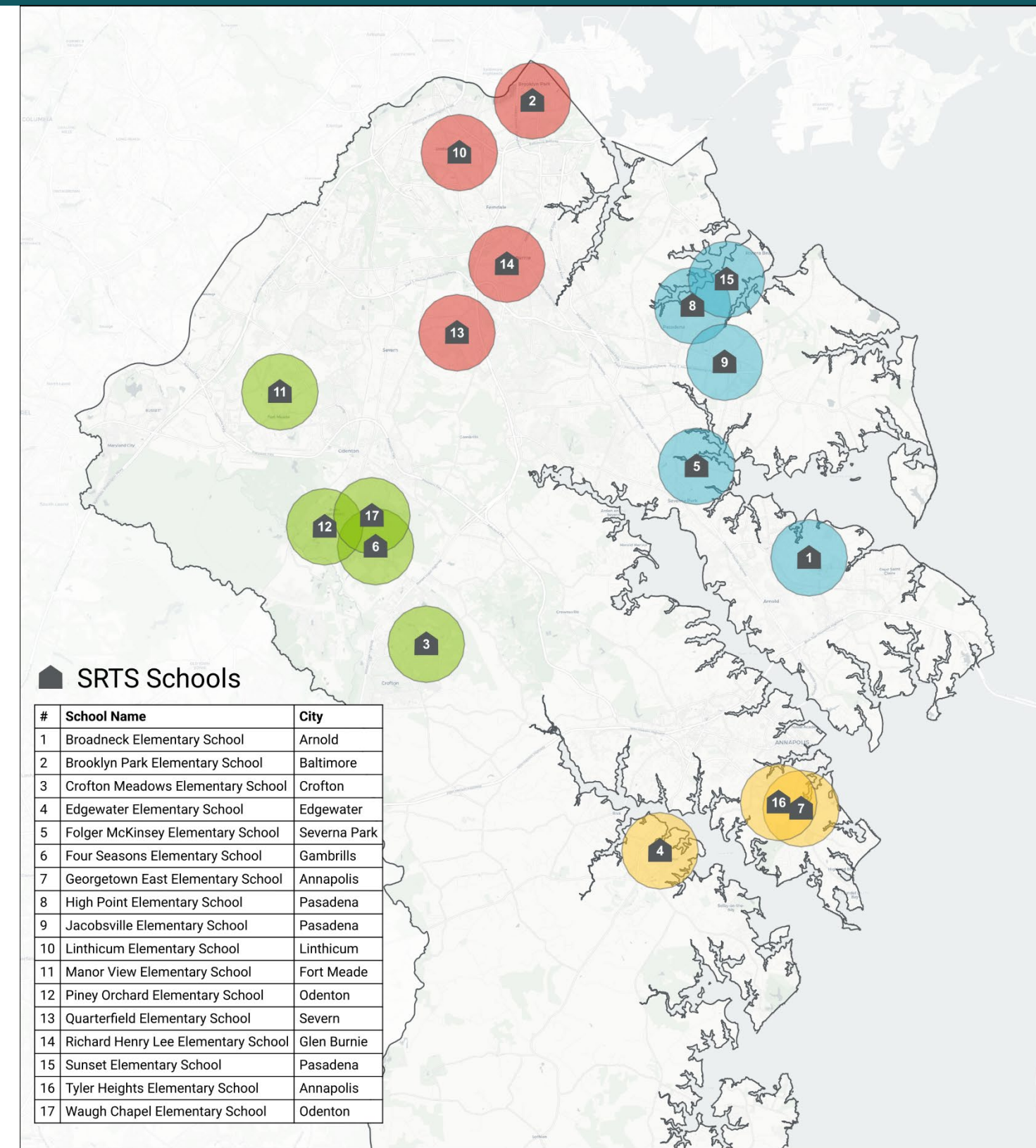
To view full report and provide input,
please visit
<https://tinyurl.com/srtsaacounty>

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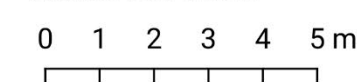
Anne Arundel Safe Routes to School Accessibility Study

- Partnership between County and AACPS
- 17 schools, per *Move Anne Arundel!* – County Transportation Functional Master Plan.
- Oversight by County, State, and AACPS representatives.
- Focus: infrastructure within school walk zone, also assessed opportunities to expand active transportation to school
- Goal: improve safety and transportation choices for all school families



Anne Arundel County 1-mile Buffer Zones

SRTS Schools



- East
- North
- South
- West

Manor View Elementary Accessibility Study

Report findings are derived from:

School site visits	<ul style="list-style-type: none">• Observed school arrival and dismissal – February 8, 2023• Assessed pedestrian and bicycle infrastructure within school walk zone and roads immediately adjacent (as connectivity allows) – February 8, 2023
Parent Survey	<ul style="list-style-type: none">• January 26 - February 19, 2023• Available online: English, Spanish, Chinese, and Korean• Survey link was provided via email

Report Content

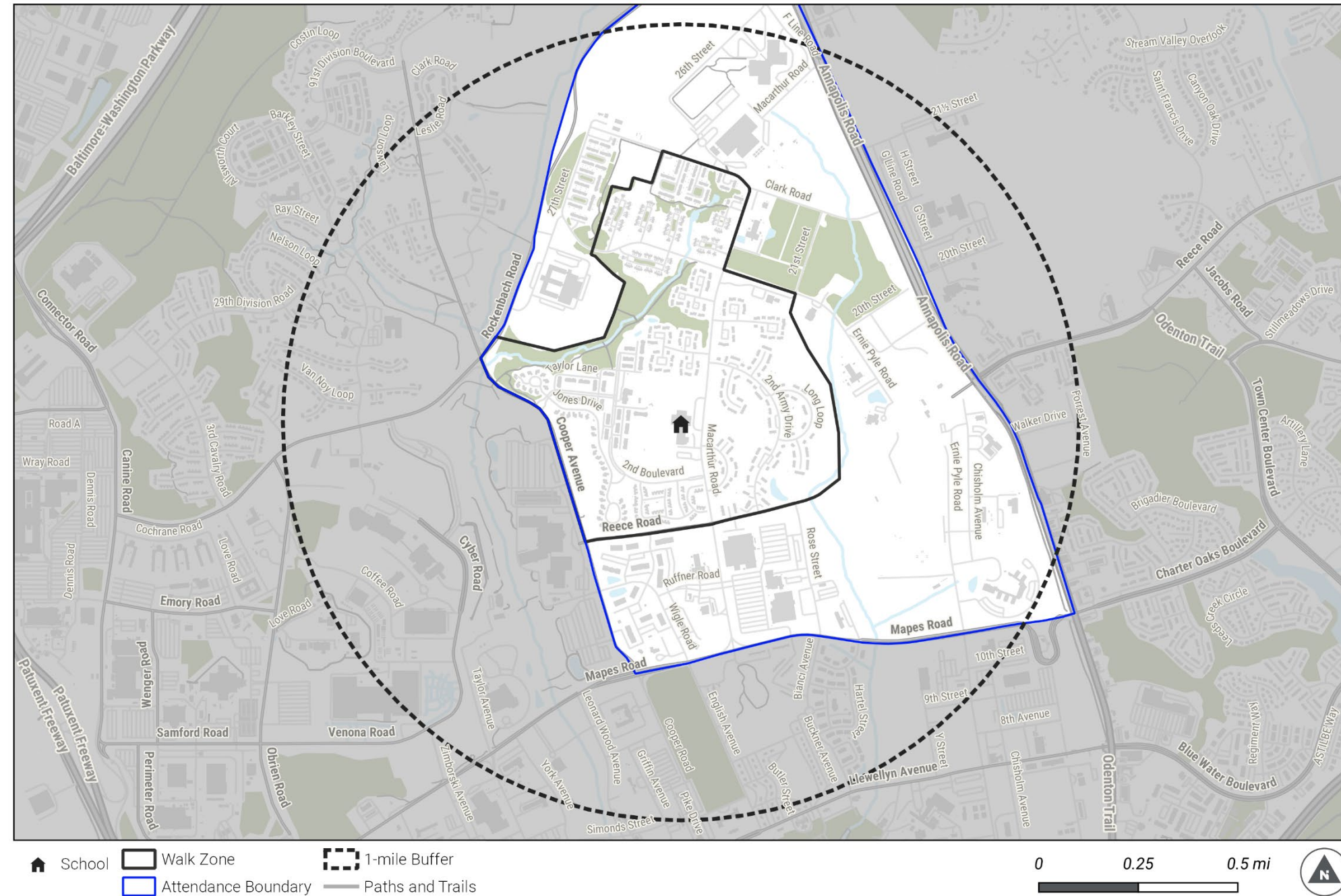
1. School overview
2. Parent-reported student travel modes and barriers
3. Arrival and dismissal observations
4. Existing infrastructure conditions
5. Crash data
6. Infrastructure recommendations
7. Programmatic recommendations
8. Appendix: Infrastructure recommendation photos

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School Overview Section

- Study area
- School attendance and enrollment
- School location and layout
- School access

Manor View Elementary School - 1-mile Radius



Parent-Reported Student Travel Modes and Barriers Section

- Distance from home to school
- School bus eligibility and use
- Most common travel mode to school
- Ideal travel mode to school
- Barriers to walking or biking to school
- Streets used to walk or bike to school

Reported Distance from Home to School	
Distance	Number of Respondents
< ¼ mile	4
¼ mile – ½ mile	3
½ mile – 1 mile	2
1 mile – 1 ½ miles	2
>1 ½ miles	0

Manor View Elementary - 11 total survey responses received

Arrival and Dismissal Observations Section

- Overview of operations
- General observations
- Arrival and dismissal observations by travel mode (walk, bike, school bus, parent drop-off)



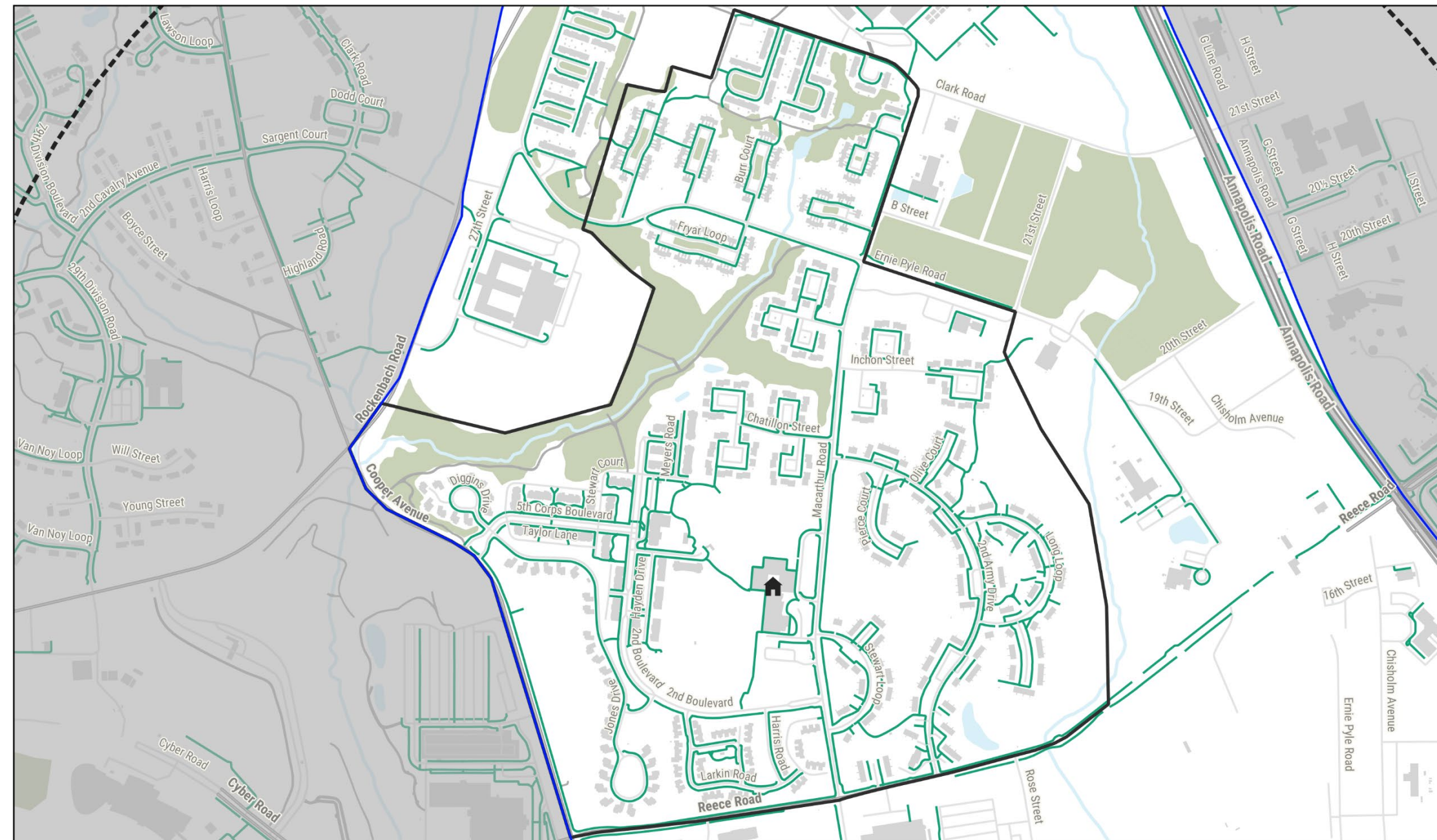
The MacArthur Road crossing guard stationed at the crosswalk near the school driveway

Existing Infrastructure Conditions Section

- Sidewalks
- Marked crosswalks
- Curb ramps
- On-road bike facilities*
- Regional trails, park trails, and paths*

**Existing, planned, or programmed*

Manor View Elementary School - Existing Sidewalk Network



- 🏠 School
 - 🟩 Sidewalks
 - 🟪 Walk Zone
 - 🟦 Attendance Boundary
 - 🔲 1-mile Buffer
- Source: OpenArundel



Crash Data (2017 – 2021)

Crashes within 1-mile radius of the school:

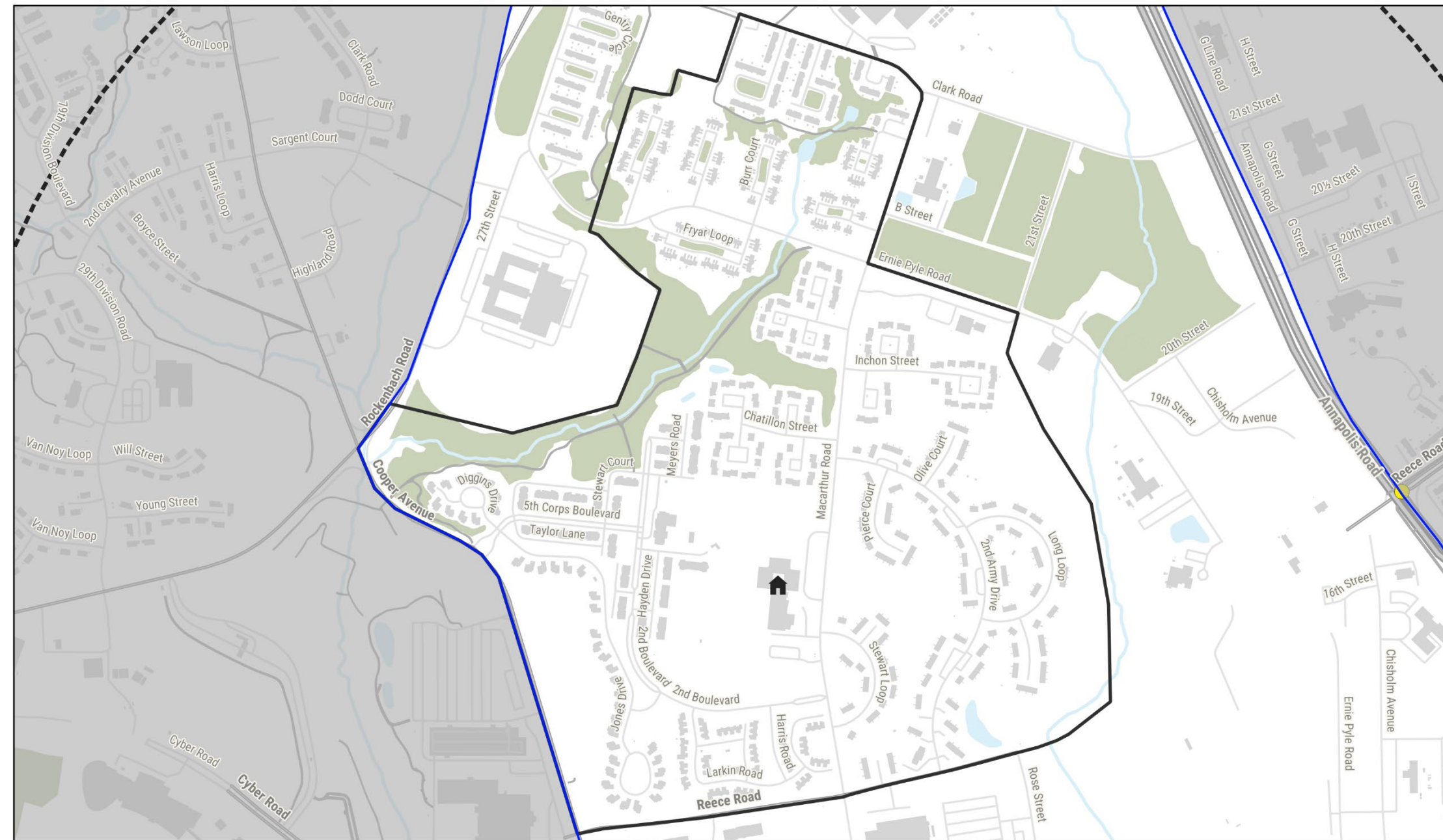
- 136 total crashes (all modes), 2 fatal
- 1 pedestrian-involved crash, 1 fatal
- 1 bicyclist-involved crash, 0 resulting in injury, 0 fatal

Pedestrian and bicyclist crashes within the walk zone*:

- 0 pedestrian-involved and 0 bicyclist-involved crashes known to have occurred in the walk zone.

**Crash data was downloaded from Maryland Open Data Portal but may contain data for Fort Meade.*

Manor View Elementary School - Pedestrian and Bicycle Crashes



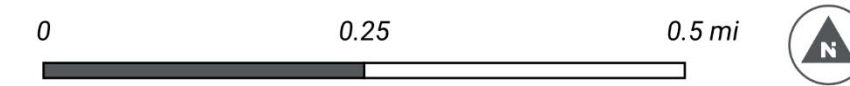
Legend:

- 🏠 School
- ▭ Walk Zone
- ▭ Attendance Boundary
- ⋯ 1-mile Buffer

Crashes, 2017-2021

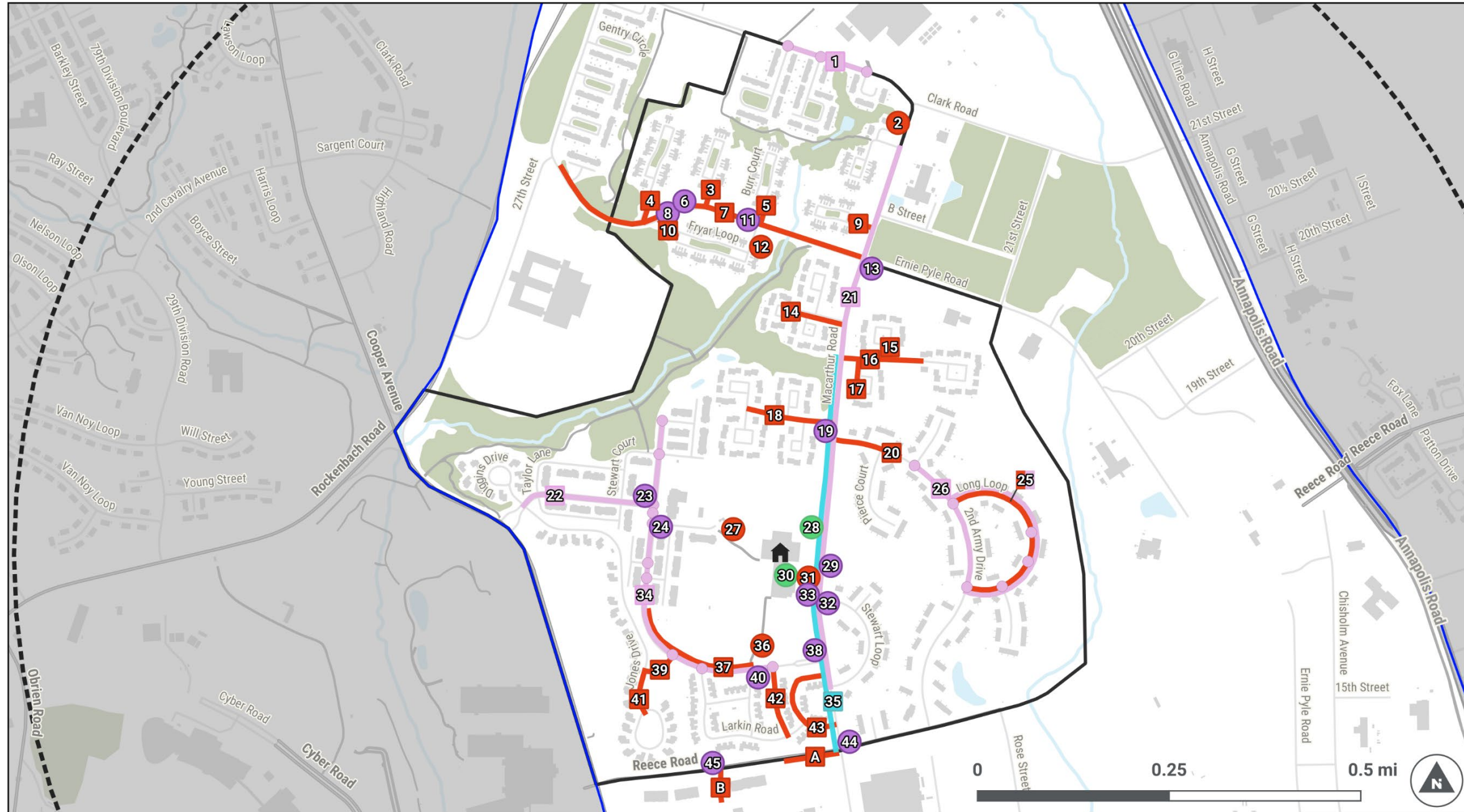
- Pedestrian
- Bicyclist

Source: Maryland Open Data Portal



Infrastructure Recommendations Section

Manor View Elementary School - Recommendations



- | | | | |
|---------------------|---|-----------------------|---|
| School | Spot Recommendations | Sidewalk | Segment Recommendations |
| Walk Zone | Access Management | Speed Management | Bicycle Facility |
| Attendance Boundary | Bicycle Rack | Other Recommendations | Corridor Intersection Upgrades |
| 1-mile Buffer | Intersection or Crossing | | School Zone Signs and Pavement Markings |
| Paths and Trails | School Zone Signs and Pavement Markings | | Speed Management |
| | | | Sidewalk |

Infrastructure Recommendations within the School Walk Zone

Information contained in this document is for planning purposes and should not be used for final design of any project. All results, recommendations, concept drawings, cost opinions, and commentary contained herein are based on limited data and information and on existing conditions that are subject to change. Further analysis and engineering design are necessary prior to implementing any of the recommendations contained herein.

Map ID	Location	Facility Type	Issue	Recommendation	Potential Cost	Timeframe*
1	Clark Rd (Terry Ct to Oliver Ct)	1a. Curb ramp	Ramp lacks detectable warning surface	Reconstruct or repair existing ramps	\$24,000	Medium
		1b. Crosswalk	Side street crossings of Oliver Ct, Amoroso Ct, and Terry Ct are unmarked, Stop bar faded	Install new standard crosswalk, Mark new stop bar	\$1,500	Short
2	Gorcas Ct (at end)	Sidewalk	Missing sidewalk	Install new sidewalk to fill sidewalk gap**	\$1,200	Long
3	Thorson Ct (Thorson Ct to Ernie Pyle St)	Sidewalk	Missing sidewalk on east side	Install new sidewalk**	\$6,526	Long
4	McWhorter Ct & McWhorter Ct	Sidewalk	Missing sidewalk on east side	Install new sidewalk**	\$8,199	Long
5	Burr Ct (Ernie Pyle St to Burr Ct)	Sidewalk	Missing sidewalk on east side	Install new sidewalk**	\$7,031	Long
6	Ernie Pyle St & West of Thorson Ct	Other intersection or crossing issues	There is an existing mid-block crossing, but only sidewalk on one side of Ernie Pyle St. This crossing is marked as a school crossing.	Remove crosswalk and school crossing signage.	N/A	Short
7	Ernie Pyle St (East of 27th St to MacArthur Rd)	Sidewalk	Missing sidewalk on north side	Install new sidewalk**	\$92,703	Long

*Short (1 year), medium (2-3 years) or long term (3+ years)

**Note that at locations where installation of new sidewalks is recommended, high-visibility crosswalks, ADA compliant curb ramps, and stop bars should be installed at intersecting streets to facilitate crossings and encourage motor vehicle yielding.

Safe Routes to School (SRTS) Program Recommendations

SRTS education can foster life-long skills for safe walking and bicycling. Education messages directed at the broader school community can help create safety role models and encourage safe driving.

Recommendations

Provide pedestrian and bicycle safety education to students. Conduct age-appropriate education regularly (e.g., annually). Provides opportunities for skills practice. This works best integrated into PE or Health curriculum.

Conduct a bicycle rodeo. Teach children skills related to walking and bicycling safely, which can increase student and parent confidence.

Conduct parent and staff safety education campaign. Distribute information packets to parents and school staff at the beginning of the school year with arrival/dismissal maps, rules and procedures for arrival/dismissal, and general safety info. Emphasize driving safely, being alert for pedestrians and bicyclists, and respecting school crossing guards.

Provide walking and bicycling maps. Show locations of pedestrian/bicycle infrastructure and estimated walk/bike times.

INFRASTRUCTURE RECOMMENDATIONS within the School Walk Zone



McWhorter Court & McWhorter Court



Burr Court

Next Steps



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- County will finalize prioritized list of recommendations.
- Implementation timeline and funding source will be based on the type of recommendation.
- Schedule yet to be determined.

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QUESTIONS OR COMMENTS?

SUBMIT USING

