

Sayers, Margery

From: Kristin Bower <bower.kristin@gmail.com>
Sent: Thursday, November 21, 2019 8:44 PM
To: CouncilMail
Subject: CR89-2019

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello,

I recently became aware that resolution CR89-2019 has been tabled, however I would still like to strongly object to this resolution. Even if an additional appraisal indicates that this land is valued higher than \$50,000 I still do not believe it should be sold to the developer of Dorsey Overlook without following the regular process. There is SO much congestion at the intersections of Columbia Rd and Old Annapolis Road as well as Columbia Rd and Rt 108. There are times where it is incredibly difficult and dangerous to merge into the turn lane as it is also the exit ramp of Rt 29. That land could be better used to improve this intersection and make it safer for all.

Additionally, with tonight's decision to redistrict the three polygons surrounding Dorsey Hall, our children will now be required to be driven by bus across this intersection at two of the busiest times of the day. This is a scary thought for the parents of young elementary school children. This intersection is now even more important to improve than ever before because so many children will be passing through it on busses.

Thank you,
Kristin Bower
Resident of Leyden Way

Sayers, Margery

From: Colleen Juarez <colleen.dominick@gmail.com>
Sent: Wednesday, November 20, 2019 7:26 PM
To: CouncilMail
Subject: CR89-2019
Attachments: Preliminary results of traffic safety and operational analysis.pptx

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello,

I am a Howard County resident residing in the Dorsey Hall neighborhood.

I recently learned of this resolution 89-2019 to sell a portion of Old Maryland 108 to the adjacent developer for \$50,000. I STRONGLY urge you not to approve this sale. I have multiple concerns, including that this price cannot possibly be fair market value and that the land IS needed for a public purpose (traffic mitigation). I urge you, at a minimum, to follow the standard advertising and bidding requirements of Section 4.201. And at maximum, I implore you to work with the state to conduct a traffic survey of the intersection of MD Route 108 and Columbia Road. I traverse this intersection daily at it's absolutely abhorrent from a traffic volume and safety perspective. In particular, the portion of MD Route 108 that is west bound turning north onto Columbia Road is very congested and dangerous on week day evenings.

As part of the recent Board of Education redistricting process, my community pulled available data to conduct a traffic /safety analysis of this intersection. This analysis is attached for your reference. As you can see from the attached, this intersection of MD Route 108 and Columbia Road receives a failing grade and needs to be addressed. Finally, with the proposed development of Dorsey Overlook, LLLP, this intersection will only be made worse.

What is the status of the resolution and how can the concerned residents provide input?

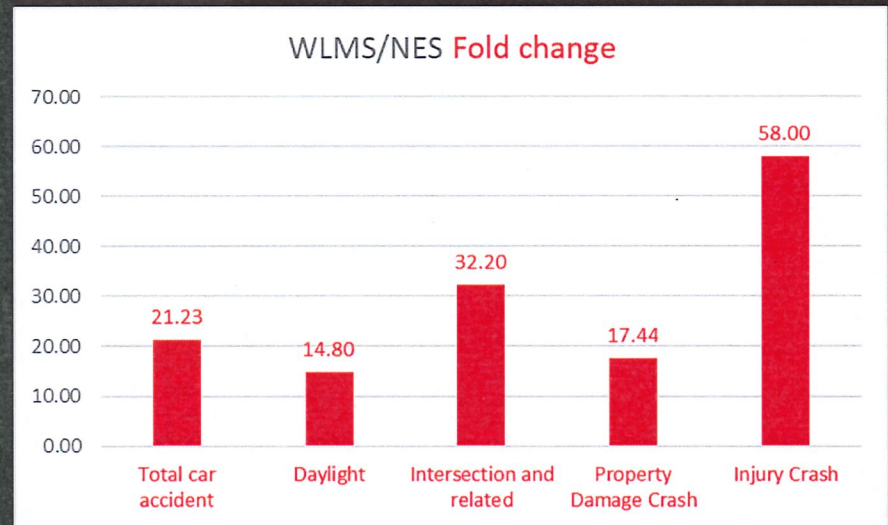
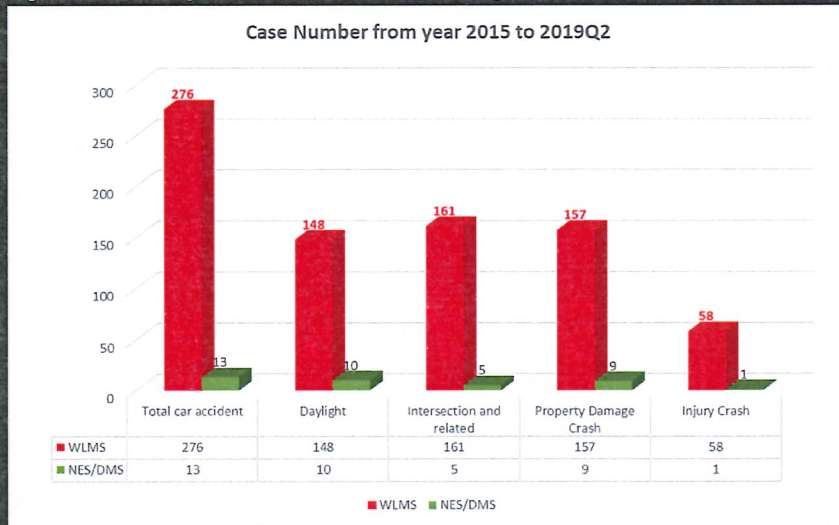
Thank you!

Colleen Juarez

**Preliminary results of traffic safety and
operational impact study of moving
Dorsey Hall from NES/DMS to
RBES/WLMS**

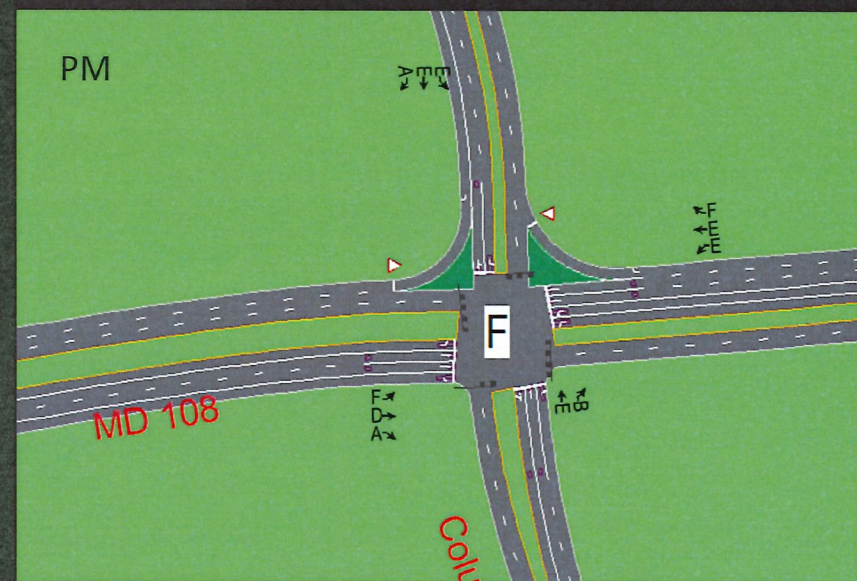
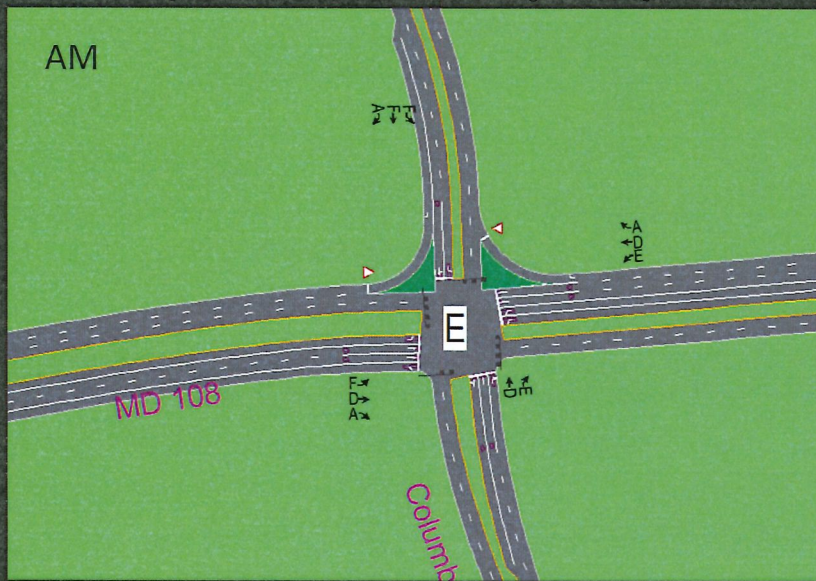
One Dorsey Hall Polygons (148, 1148, 2148, 276, 302)

Safety analysis results (01/2015-06/2019)



- During this period, there are total **276** accidents recorded for the route from Dorsey Hall to WLMS, and **13** accidents for the route from Dorsey Hall to NES/DMS.
- If we move Dorsey Hall from DMS to WLMS, the probability of our kids impacted by an accident will increase **>20-Fold** and the probability of injury will increase **57-Fold**.
- The newly installed **roundabout** at Columbia Rd @ Kingscup Ct/Hemlock Cone Way will improve the safety along Columbia road. It is believed there will be fewer incidents along the bus route from our polygons to NES/DMS.
- The proposed move will increase the traffic along the bus route to RBES/WLMS, which will further **increase** accident probability.

Traffic operation analysis (02/2018)



- Preliminary HCM (Highway Capacity Manual, 2000) capacity analysis shows that LOS of this intersection is E and F with an average delay of 64 and 124 seconds per vehicle during AM and PM peak respectively.
- Columbia Road SB is critical in AM since all school buses from our polygons to RBES and WLMS will travel south along Columbia Road. At this intersection, Columbia Road SB is with LOS **F** (88 seconds per vehicle delay) during AM and LOS **E** (70 seconds per vehicle delay) during PM. With the additional school buses traveling in those periods, and more parents travel crossing MD 108 to send/pick up students, **the performance of this intersection will further deteriorate.**

Conclusions

If Dorsey Hall Polygons (148, 1148, 2148, 276, 302) moves from NES/DMS to RBES/WLMS, our kids will

- be exposed to more than **20** times of probability to accidents and **57** times of injury rate.
- experience much longer commute time to/from school, and will have to cross a failed intersection (MD 108 at Columbia Rd, LOS **F/E** during AM/PM). The additional traffic will further deteriorate the traffic condition of this intersection, which will put much more pressure on the already oversaturated transportation facility.

The proposed plan will also

- **Undo** the county's efforts to make this area walker/biker friendly, which include a newly installed roundabout at Columbia Rd @ Kingscup Ct/Hemlock Cone Way.
- **Increase** the accident rate along the route to RBES/WLMS as traffic will increase.
- Impose additional traffic **delay** to the residents of the neighborhood.

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Data Source

- All the data comes from **public government database**, download from these website:
- <https://catalog.data.gov/dataset/maryland-statewide-vehicle-crashes>

Maryland Statewide Vehicle Crashes

Metadata Updated: September 18, 2019

Crash data for Maryland from January 2015 through June 2019. Data is accurate as of the creation of the data. Only Approved Crash reports have been included in the file. Related datasets include Statewide Vehicle Crashes - Vehicle Details (<https://opendata.maryland.gov/Public-Safety/Maryland-Statewide-Vehicle-Crashes-Vehicle-Details/mhft-5t5y>) and Statewide Vehicle Crashes - Person Details (Anonymized) (<https://opendata.maryland.gov/Public-Safety/Maryland-Statewide-Vehicle-Crashes-Person-Details-/py4c-dicf>)

Access & Use Information

- Public: This dataset is intended for public access and use.
- Non-Federal: This dataset is covered by different Terms of Use than Data.gov.
- License: No license information was provided.

Downloads & Resources

 Comma Separated Values File

 Download

Download it, you can get the Maryland statewide vehicle crashes database



Maryland_Statewide_Vehicle_Crashes.csv

Data export and analysis

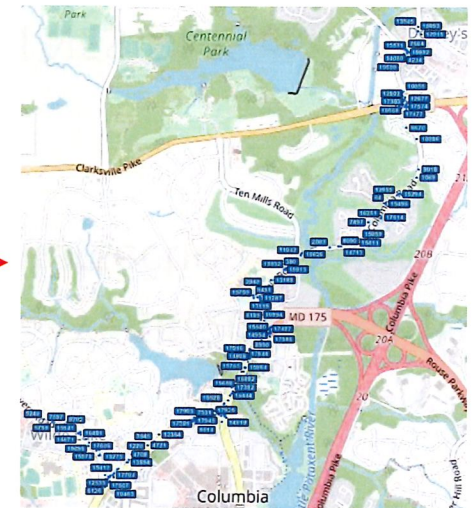
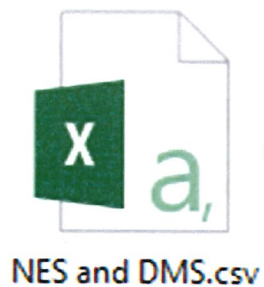
Step 1. Write a script (VBA) to generate all accident locations to a geographic information system (GIS) layer (a kml file, which can be provided if needed), import the kml file to a GIS software (e.g. ArcGIS).

Step 2. Map the accident locations database with the download database.

Step 3. Selection all accidents along both the routes into different sets (NES and WLMS).

Step 4. According to the longitudes and latitudes in data display different datasets on the map.

- ❖ Step 2 and 3 we can generate two route excel form (WLMS & NES/DMS), which including all the car accident information on Columbia road around WLMS and NES/DMS. Excel and raw data were attached in the email.
- ❖ Step 4 generate the map.

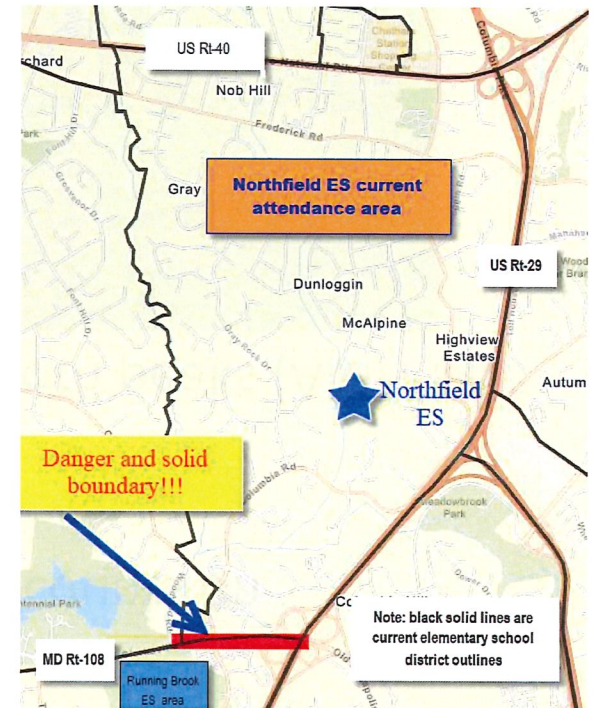
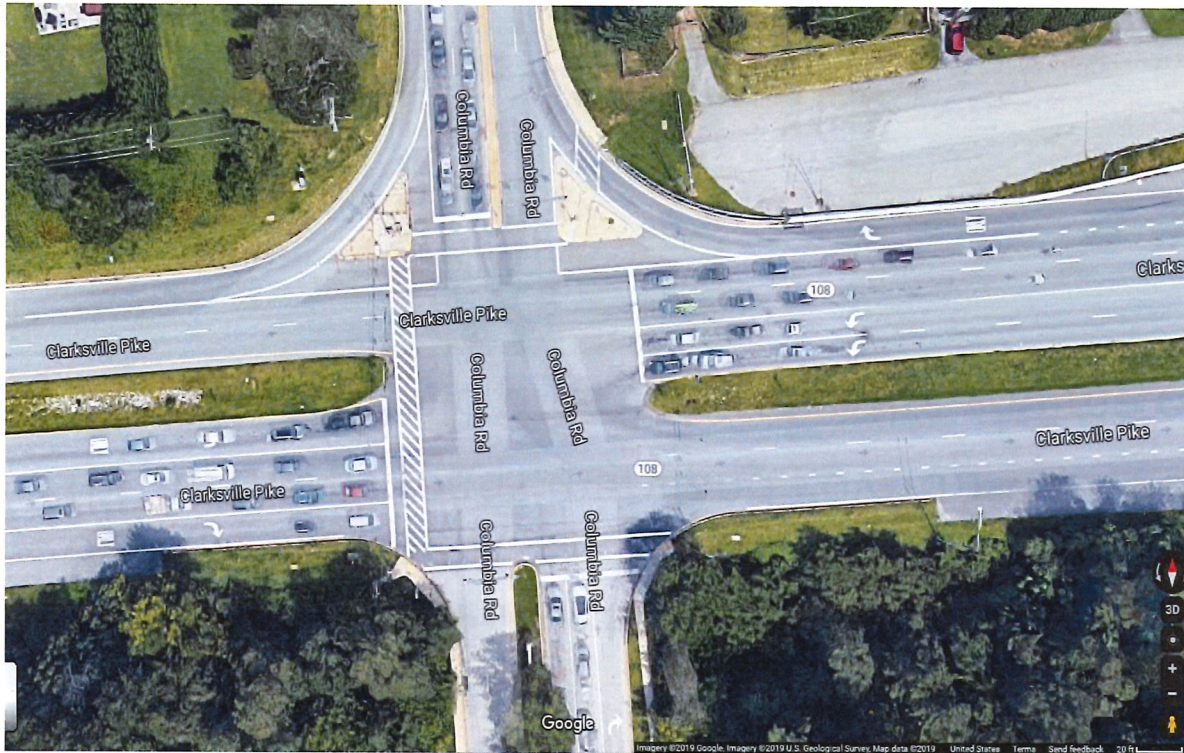


Data sorting and further analysis

- Step 1: Open the excel file, choose sort and filter, set variable: YEAR(2015-2019), LIGHT_DESC (Daylight), JUNCTION_DESC (Intersection and intersection Related), REPORT_TYPE(Property Damage Crash and Injury Crash).
- Step 2: You can generate new dataset, please see WLMS and NES-DMS car accident analysis files.
- Step 3. Choose columns you would like to see and insert column chart your will get the results.

	Car accident number	Daylight	Intersection and related	Property Damage Crash	Injury Crash
WLMS	276	148	161	157	58
NES/DMS	13	10	5	9	1

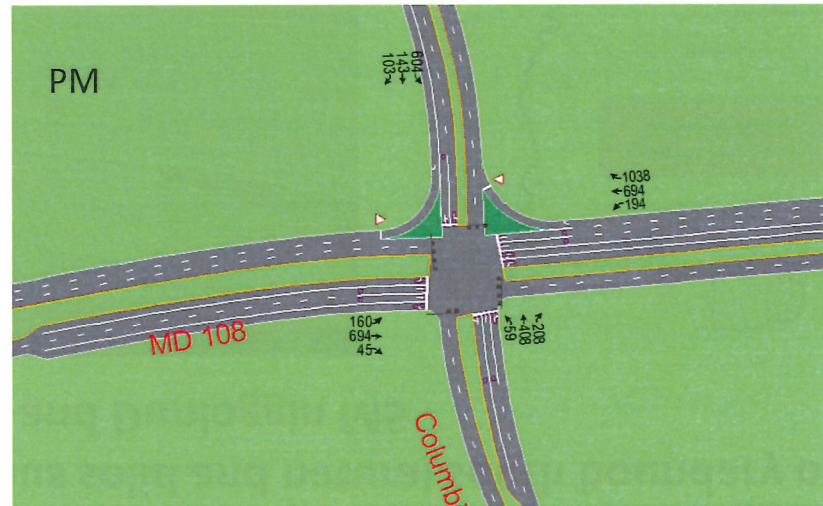
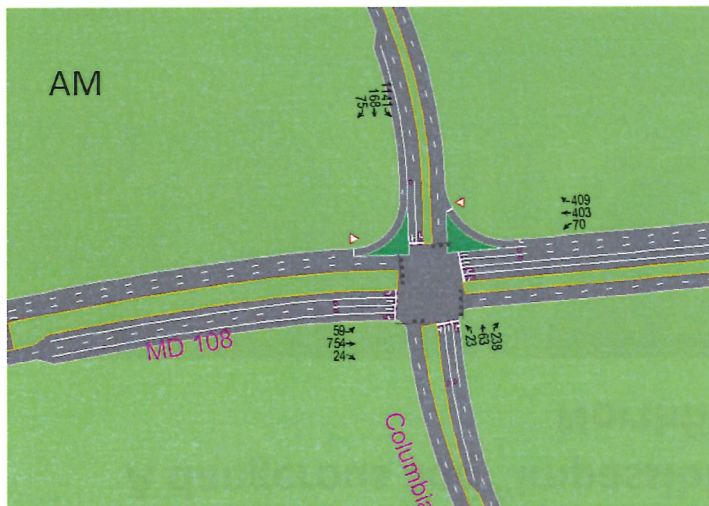
A dangerous and “impassible” , thus solid and natural south boundary of Northfield ES and Dunloggin MS



Intersection of MD State Route 108 X Columbia Road. MD State Route 108 is the natural and dangerous south boundary of the current Northfield Elementary School and Donloggin Middle School. It has 7/8 lanes at the intersection. Numerous traffic accidents happen each year and serious traffic jams are at every rush hours.

MD 108 @ Columbia Rd Traffic Operation Analysis (1/2)

- The study is based on the traffic counts (24 hour counts on 02/21/2018) published by MD SHA (http://maps.roads.maryland.gov/itms_public/)
- The following pictures illustrates the volume of both peaks (AM/PM)



MD 108 @ Columbia Rd Traffic Operation Analysis (2/2)

- Preliminary HCM (Highway Capacity Manual, 2000) capacity analysis shows that LOS of this intersection is E and F with an average delay of 64 and 124 seconds per vehicle during AM and PM peak respectively.
- Columbia Road SB is critical in AM since all school buses from our polygons to RBES and WLMS will travel south along Columbia Road. At this intersection, Columbia Road SB is with LOS **F** (88 seconds per vehicle delay) during AM and LOS **E** (70 seconds per vehicle delay) during PM. With the additional school buses traveling in those periods, and more parents travel crossing MD 108 to send/pick up students, **the performance of this intersection will further deteriorate.**

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