Columbia Road
Traffic Operations Assessment
and Complete Streets Study

Linden Hall
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September 25, 2019
Traffic Operations Assessment
Themes:
• Vehicle Congestion
• Intersection Delay
• Traffic Safety

Complete Streets Study
Themes:
• Speed Management
• On-Street Parking
• Pedestrian Safety
• Bicycle Connectivity
• Vehicle Traffic Flow
What We’ve Heard

- Traffic congestion Northbound in the afternoon
- Difficult to cross Old Annapolis Rd to get to Woodland Nature Path
- Difficult to turn left on a bicycle. Right-turning vehicles don’t yield to pedestrians
- Cars go too fast
- Difficult to get across Columbia Road by the pool, as some drivers don’t yield
- Difficult to get out of my neighborhood sometimes. Tough to walk across the street.

Across the Corridor

- Bus service too infrequent
- Limited shoulder, hills, and roadway curves make biking challenging

Study Type

- Complete Streets Study
- Traffic Operations Assessment

0 0.1 0.2 0.3 Miles
Vision Statement

Columbia Road shall provide convenient access to local destinations—including shopping, schools, employment, and recreation—for users of all transportation modes, and to regional roadways for drivers, while maintaining safe operations and appropriate speeds.
Congestion Mitigation
MODELED PM PEAK HOUR CONGESTION
WITH MINOR SIGNAL CHANGE

95% QUEUE LENGTH SPILLS BACK ~1000 FEET.

AVERAGE QUEUE LENGTH SPILLS BACK ~500 FEET.

ADD ADDITIONAL LEFT TURN CLEW PHASE FOR NORTHBOUND COLUMBIA RD
Dorsey Hall Pool Parking

**Summer Weekday Afternoon**

- Occupied Curbside Parking
- Parking Prohibition
- No Parking Sign
Dorsey Hall Pool Parking

Swim Meet Saturday Morning

- Blue: Occupied Curbside Parking
- Red: Parking Prohibition
- Black: No Parking Sign
Typical Sections

See boards for details at:
- Old Annapolis Rd
- Dorsey Hall Pool
- Grey Rock Drive
- Old Dragon Path
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Implementation Plan

Public Feedback on Concept Plans
Tonight through October 13th

Signal Timing Changes
Can be done at any time

Pavement Marking Changes
Best time is during roadway resurfacing

New crosswalks
Depend on revised pavement markings to create space for refuge medians

Improved Connection to Centennial Access Path
Mid-term, depending on funding and public input

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<tr>
<th>County Funding</th>
<th>State/Federal Grants</th>
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| K5066 Bicycle Plan Projects    | Maryland Bikeways Program  
Small to mid-size grants for bicycle facility planning, design, and implementation. |
| T7088 School Crosswalk          | Transportation Alternatives Program
Mid-size to large grants for bicycle and pedestrian facility design and implementation. |
| Improvements                    | Safe Routes to School Program:
Small to mid-size for infrastructure or programming improvements to increase walking or bicycling to school. Requires school participation. |
| T7106 Intersection or Corridor  |                                                          |
| Safety Improvement Program      |                                                          |
What’s Next?

Columbia Road

• Visit the boards throughout the room for details on proposed improvements
• Expected implementation dates vary for each proposal, and not all are known at this time

All materials will be posted online for further review.
The current comment period is open through October 13.

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