Montgomery County Department of Transportation
Wheaton Redevelopment
1. Review of Previous Studies
2. Ongoing Area Projects
3. Reedie Drive Improvements
4. Grandview Avenue Improvements
5. Triangle Lane Improvements
6. Improvements at Signalized Intersections
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2015 Traffic Study - Project Scope

• Traffic Impact Study conducted in April 2015
• Proposed site includes office building and ground floor retail
  • 265,000 SF of Office
  • 12,000 SF of Retail
• Existing traffic counts conducted in January 2015
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2015 Study Results

- Results at signalized intersections similar for the future condition scenario
- Follow-Up study conducted in November 2015
  - Pedestrian Initiative Timings implemented
  - Adjustments made to improve future LOS at:
    - MD 97 at MD 193
    - Grandview Ave at MD 193

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<th>Intersection</th>
<th>Peak Hour</th>
<th>Existing 2015</th>
<th>Future</th>
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2017 Study Capacity Results

- New Traffic Impact Study conducted due to change in proposed development
  - 308,200 SF of Office
  - 11,800 SF of Retail
- Updated counts conducted in 2017 at all intersections except:
  - MD 97 at MD 193
  - MD 586 at Reedie Drive
- Future analysis assumed realignment of Grandview Avenue at Reedie Drive intersection

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Critical movements with less than 300 feet of spacing and did not spill back under existing conditions but do under future conditions:

- Westbound Left from Reedie Dr. onto MD 97 (AM and PM)
- Westbound Left from Reedie Dr/Grandview Avenue onto MD 586 (PM)
- Northbound Grandview Avenue Through-Right at MD 193 (PM)
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2017 Study Recommendations

• Exclusive/permissive left turn phasing for:
  • Reedie Drive/Grandview Avenue at MD 586; Requires Reconstruction of Traffic Signal
  • Grandview Avenue at MD 193; Implemented 2018

• Restripe the southbound approach of Grandview Avenue at MD 193 to a left and a shared through-right; Implemented 2018
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**Existing Ped/Bike Connectivity**

- Sidewalk is available on both sides of each roadway within the study area
- Each study intersection has sidewalk ramps at each corner
- No bike facilities are provided within the study area
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**Ongoing Area Projects**

- Restriping of southbound lane use of Grandview Avenue at MD 193 to an exclusive left turn lane and a shared through right lane. Exclusive/permissive left turn phasing for north- and southbound Grandview Avenue also implemented – *Complete*
- Curb markings along MD 97 between Reedie Drive and Price Avenue – *Complete*
- Non-traversable median along MD 97 between Reedie Drive and Price Avenue – *Construction Imminent*
- Lane narrowing along MD 97 between MD 193 and Reedie Drive – *Complete*
- Reduction in speed limit along MD 97 between MD 193 and Reedie Drive – *Imminent*
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**Reedie Drive Improvements**

- New crosswalks and stop bars across Reedie Drive and Triangle Lane

- Lane Use Markings to be installed along Eastbound Reedie Drive

- Pavement Markings and Signage associated with one-way Triangle Lane
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Reedie Drive at Grandview Avenue Improvements

• Realign Grandview Avenue as the main street at Reedie Drive, removing the existing stop sign on Grandview Avenue

• Restripe the Grandview Avenue approach at MD 586 from the existing three lanes to two lanes (one left turn lane and one shared through/right turn lane)

• Install midblock crosswalk on Grandview Avenue and install Rectangular Rapid Flashing Beacon (RRFB) and associated signing at midblock crosswalk
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Grandview Avenue Proposed RRFB Improvement
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**Grandview Avenue Improvements**

Recommended Improvements:

- Install shared lane markings on Grandview Avenue between Ennalls Avenue and MD 586 (Veirs Mill Road)
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Recommended Improvements:

- Install shared lane markings on Ennalls Avenue between MD 586 (Veirs Mill Road) and MD 97 (Georgia Avenue)
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Ennalls Avenue Improvements

Recommended Improvements:
• Install shared lane markings on Ennalls Avenue between MD 586 (Veirs Mill Road) and MD 97 (Georgia Avenue)
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Triangle Lane Improvements

- Install signing and pavement markings needed to maintain one-way traffic on Triangle Lane
- Construct a bump out to emphasize one-way traffic on Triangle Lane
Existing Conditions:
• Sidewalk ramps present on all four corners
• APS provided on all four corners

Recommended Improvements:
• Upgrade crosswalk pavement markings to high visibility ladder bar type markings
• Upgrade sidewalk ramps to ADA ramps where applicable
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**MD 193 at Grandview Avenue Conceptual Layout**

Existing Conditions:
- Sidewalk ramps present on all four corners
- APS provided on all four corners

Recommended Improvements:
- Upgrade crosswalk pavement markings to high visibility ladder bar type markings
- Upgrade sidewalk ramps to ADA ramps where applicable
- Install shared lane markings on Grandview Avenue
Existing Conditions:
• Sidewalk ramps present on all four corners
• APS provided on all four corners

Recommended Improvements:
• Upgrade crosswalk pavement markings to high visibility ladder bar type markings
• Upgrade sidewalk ramps to ADA ramps where applicable
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**MD 586 at Reedie Drive/Grandview Avenue Conceptual Layout**

Existing Conditions:
- Sidewalk ramps present on all four corners
- CPS provided on all four corners

Recommended Improvements:
- Upgrade crosswalk pavement markings to high visibility ladder bar type markings
- Upgrade sidewalk ramps to ADA ramps where applicable
- Upgrade to APS on all corners
- Install shared lane markings on Grandview Avenue
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**MD 97 at Reedie Drive Conceptual Layout**

Existing Conditions:
- Sidewalk ramps present on all four corners
- APS provided on all four corners

Recommended Improvements:
- Upgrade crosswalk pavement markings to high visibility ladder bar type markings
- Upgrade sidewalk ramps to ADA ramps where applicable
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