



AP HILL MONUMENT ROUNDAABOUT Laburnum Avenue & Hermitage Road

Presented by
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Project Background

- Federally funded (thru VDOT) safety grant for \$380,000 awarded based on ability for roundabout to reduce driver delay and accidents.
- City Council accepted grant in FY 2007
- City cost - \$600
- Design completed, approved by:
 - Commission of Architectural Review
 - Planning Commission
 - VDOT
- Low bid-\$315,000-received and approved by VDOT.
- Contract award is awaiting City Council action on Ord. 2008-189 on June 22.

Accident History

Laburnum/Hermitage Intersection

2007

- 6th highest number of crashes in City
(out of 6000+ intersections)
- 2 fatalities
- 1 accident every 19 days

2008

- 5th highest number of crashes

Specific Concerns

- **Concerns include:**

- 1. **Traffic calming on approaches**

- a. Not supported by DPW or VDOT
 - b. Encourages use of adjacent residential streets

- 2. **2-lane roundabout public education plan**

- a. Temporary and permanent advance warning signs
 - b. DPW prepared roundabout brochure being distributed
 - c. Animated 2-lane roundabout video on Channel 17, and a link to DPW website
 - d. Remind drivers of similarity with Monument/Allen 2-lane roundabout

Concerns cont'd.

3. **Neighborhood “cut-thru” traffic**
 - a. Will be reduced due to less delay at Monument and ability to make left turns in peak ours, which are currently prohibited

4. **Resident access to driveways**
 - a. One driveway in intersection
 - b. Others minimally impacted

5. **Speed**
 - a. Current: 35-40 MPH

6. ADA Compliance/MUTCD Standards

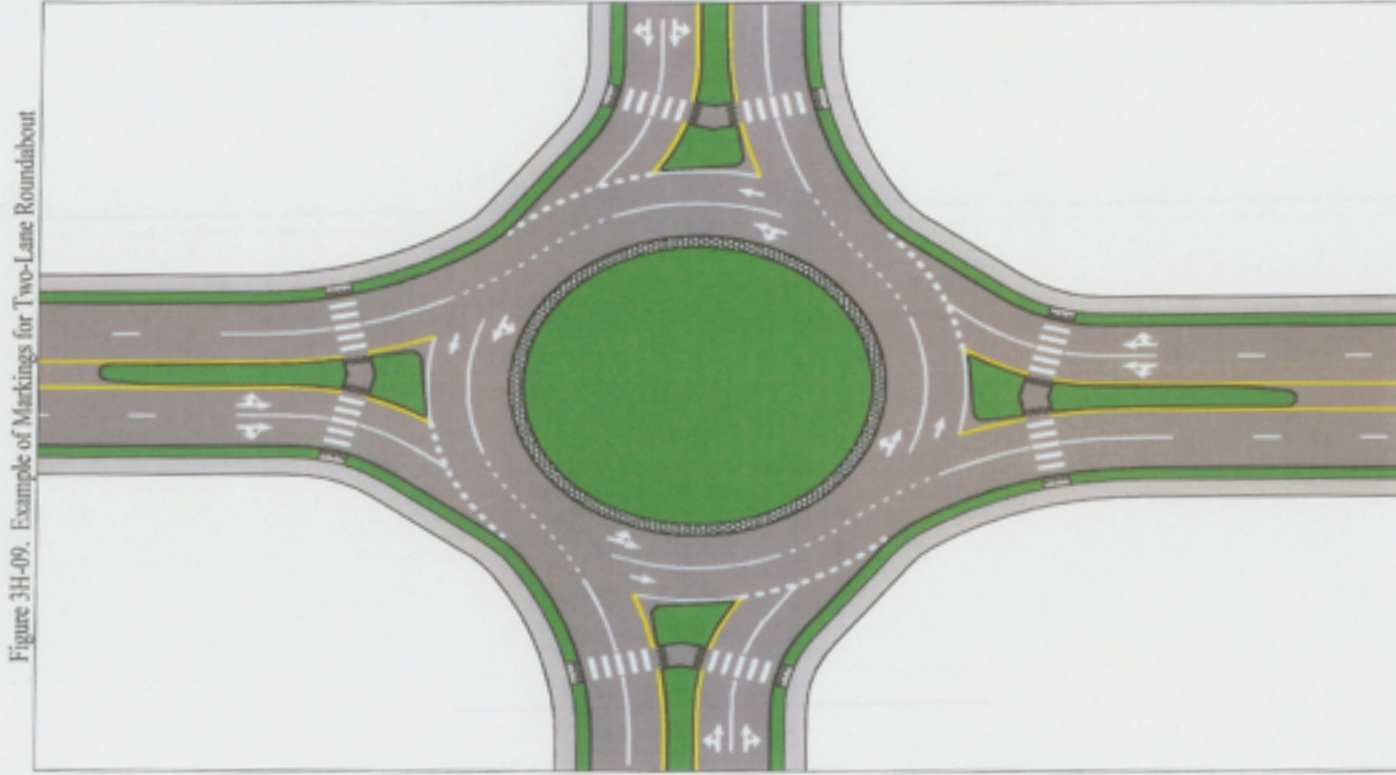


Figure 3H-09. Example of Markings for Two-Lane Roundabout

Concerns cont'd.

- Addressed at four Civic Association meetings, Architectural Review Commission, Planning Commission, School Board Subcommittee and LUHTSC meetings

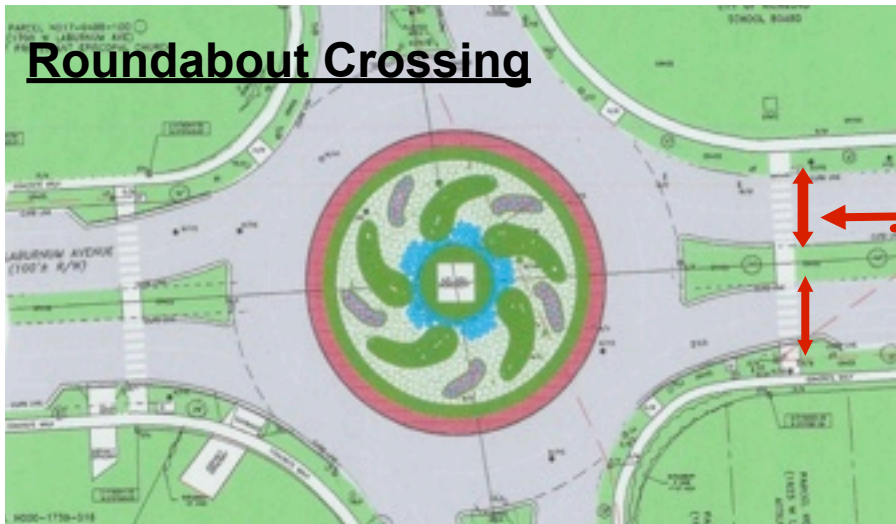
Pedestrian Safety

Current Signal Crossing



110 foot
crosswalk

Roundabout Crossing



26 foot
crosswalk

If Roundabout Proceeds to Construction

- Project cost (\$380,000) fully covered by grant except City cost of \$600
- Overall traffic flow improved, neighborhood “cut-thru” traffic reduced
- Enhanced historic Monument Area
- Pedestrian crossing will be enhanced
- High crash frequency (5th highest in City) will be reduced significantly



If Roundabout Is Not Constructed

- City loses grant
- City must reimburse VDOT for costs (\$75,000) to date
- City could jeopardize ability to receive future grants (\$3 received million this year).
- Fifth most dangerous intersection (two arterials) in the City will continue to operate unsafely



VDOT 2008 Design Policy

- “When the analysis [of a new or reconstructed intersection] shows that a Roundabout is a feasible alternative, it should be considered the Department’s preferred alternative due to the proven substantial safety and operational benefits.”

Questions