

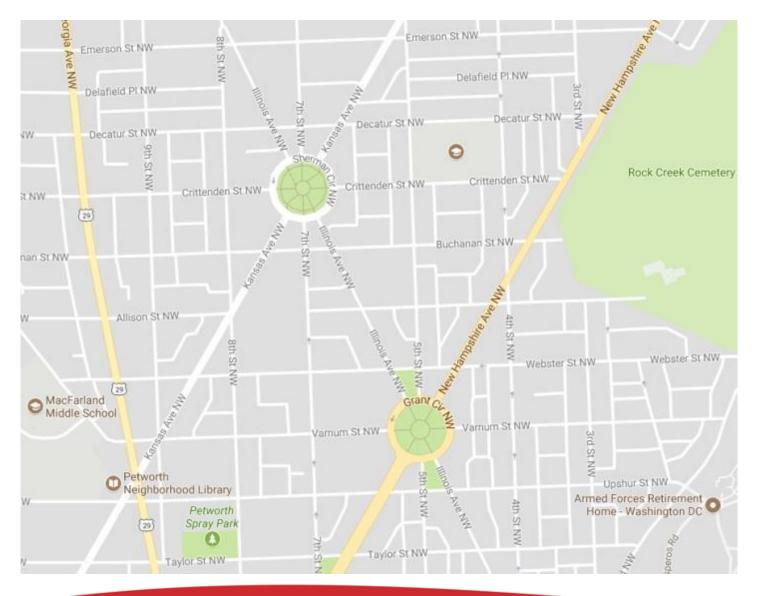
Grant and Sherman Circles Community Meeting



Agenda

- Existing Conditions and Issues
- Rock Creek East II Livability Study
- Grant Circle
 - One Lane Trial Period
 - Results of Trial Period Analysis
- Sherman Circle
 - Analysis
- Next Steps
- Q&A

Grant and Sherman Circles



Existing Conditions

- Average daily traffic volume is 10,000 vehicles at Grant Circle and 7,000 vehicles at Sherman Circle
- No traffic signals at either circle
- All circle approaches are controlled by stop or yield signs
- Five crosswalks into Grant Circle park and ten crosswalks into Sherman Circle park
- 11 and 12 foot wide travel lanes, and one 17 foot wide parking and bus stop lane
- New Hampshire Avenue south of Grant Circle is only street that intersects circles with two lanes in the same direction

Issues

- Speed
 - High travel speeds increase the severity of crashes
- Safety for all users
 - Vehicles have flipped over from crashes in circle roadways
 - Pedestrians don't feel safe walking into or around the circles
- Confusing lane geometry
- Width of parking lane
- Crash Data (2013-2015)
 - Grant Circle: 14 crashes
 - Sherman Circle: 4 crashes

Rock Creek East II Livability Study

- Concept design: Remove one travel lane in each circle
- Goal: Slow drivers, improve pedestrian safety
- Implementation: 4-8 years

Fall 2016 ANC Walk Through – Grant Circle

- Safety concerns remain
- Timing of implementation
- Concerns about vehicle capacity and diversion
- Discussion of temporary improvements in near term

May 2017 ANC Walk Through – Sherman Circle

• Similar concerns were expressed

Learn more:

Rock Creek East II Livability Study Final Report

RockCreekEast2.com/final-report/

Grant Circle Analysis

- DDOT used traffic model to analyze data and test impacts of one-lane design on Grant Circle
- Analysis predicted negative impacts on traffic flow, but had some limitations
- Because of these limitations, and given the safety concerns,
 DDOT tested one-lane design in real time (week of May 22)
- DDOT collected data before, during, and after the trial period
- DDOT and consultants also performed site visits during the trial period

Grant Circle Trial Period



Grant Circle Trial Period - Comments

Comments in support

- Grant Circle is currently dangerous for pedestrians to cross, and the experiment is working well from a pedestrian safety perspective. With the new pattern, speeding has decreased and drivers can no longer pass a driver in front of them that has stopped to yield to a pedestrian.
- Speeds in the circle were slow, but it worked very well for biking. Drivers were better about yielding due to reduced speeds. Entering the circle on bike was easier.
- Support for our approach piloting different options in the real world, instead of just relying on modeling

Grant Circle Trial Period - Comments

Comments in opposition

- Not supportive of a permanent reduction of one travel lane at Grant Circle, but expressed support for DDOT's trial period experiment, and for future studies at Grant Circle
- Temporary traffic pattern contributed to increased backups on surrounding streets
- Temporary pattern caused a traffic nightmare, and increased danger to pedestrians and drivers alike
- Grant Circle has been there for years and worked fine
- Address issues through more education to drivers, bicyclists, and pedestrians, raised crosswalks

Grant Circle Resident Photos



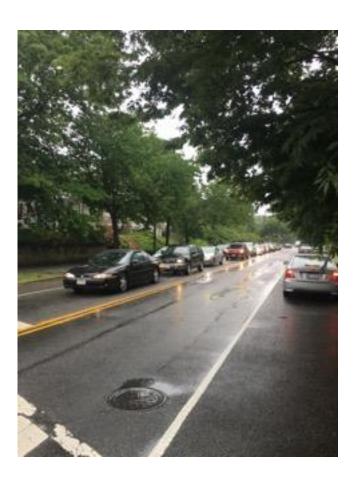
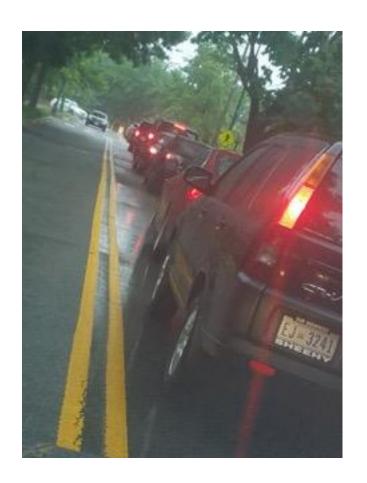


Photo Source – K. Lockett

Grant Circle Resident Photos



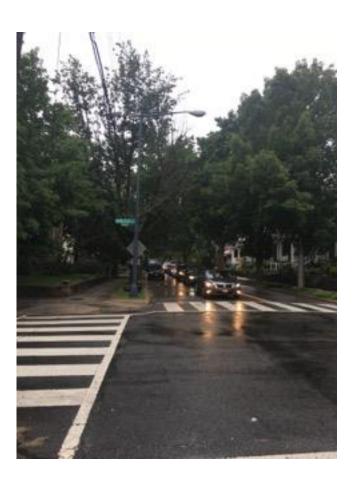
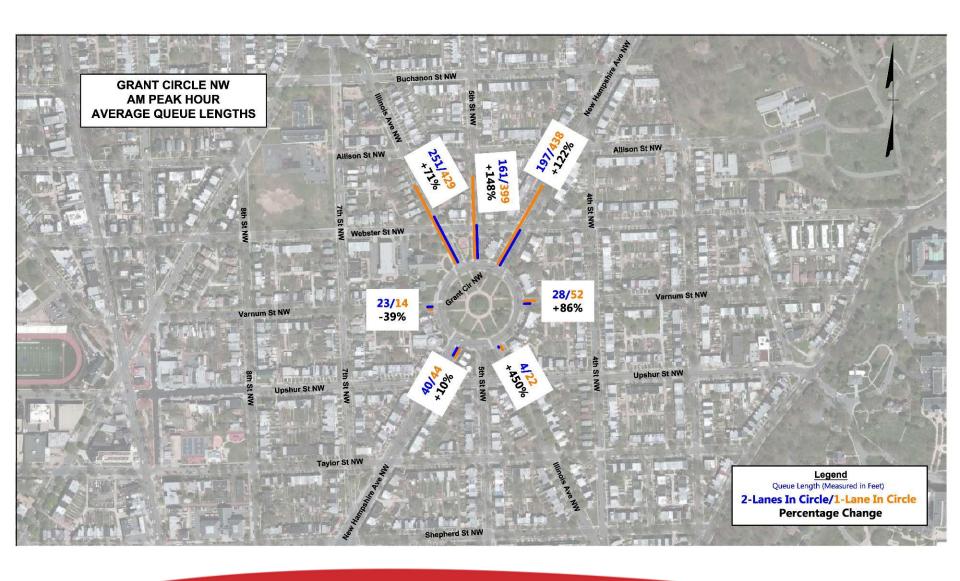
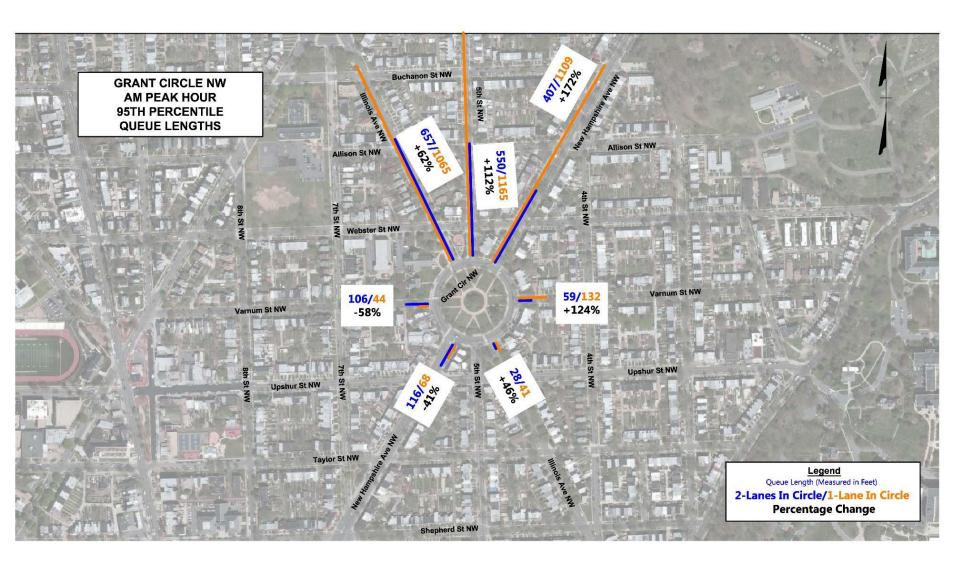


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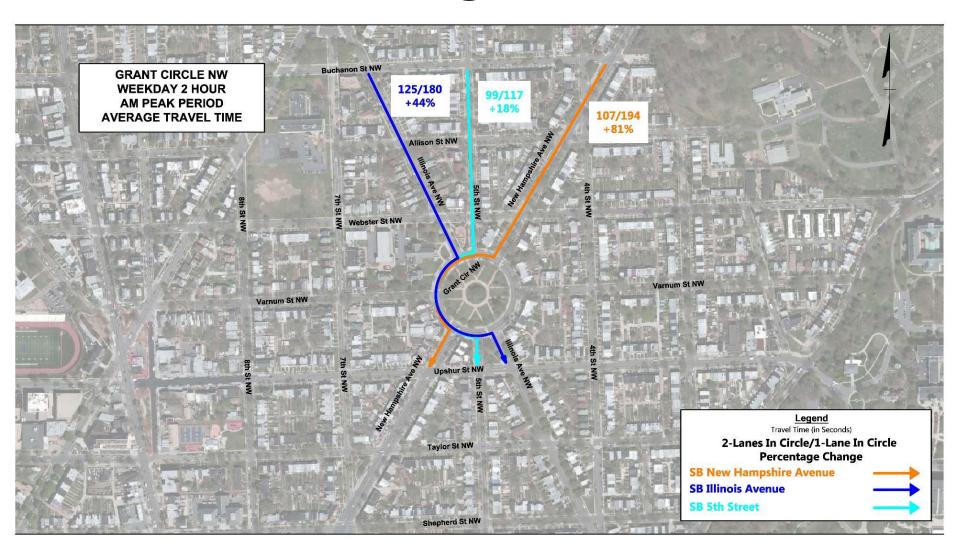
Grant Circle Average Queue Lengths



Grant Circle 95th Percentile Queue Lengths



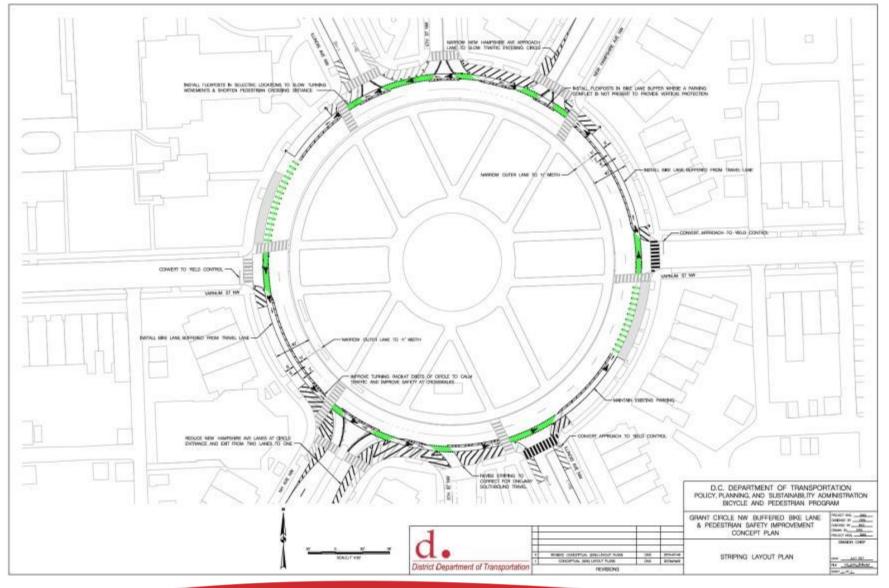
Grant Circle Average Travel Time



Next Steps – Grant Circle

- DDOT will not move forward on reducing Grant Circle to one lane
- DDOT has designed an updated two-lane design for Grant Circle that addresses safety concerns and manages traffic
- Variety of treatments are included
 - Narrowing of New Hampshire Avenue approach to one lane south of circle
 - Bicycle lane with buffer (flexposts added where parking not present)
 - Revised striping
 - Converting approaches to yield
 - Reduce turning radii to slow turns
 - Narrow travel lanes to 11 feet
 - Shorter crosswalks into the circle

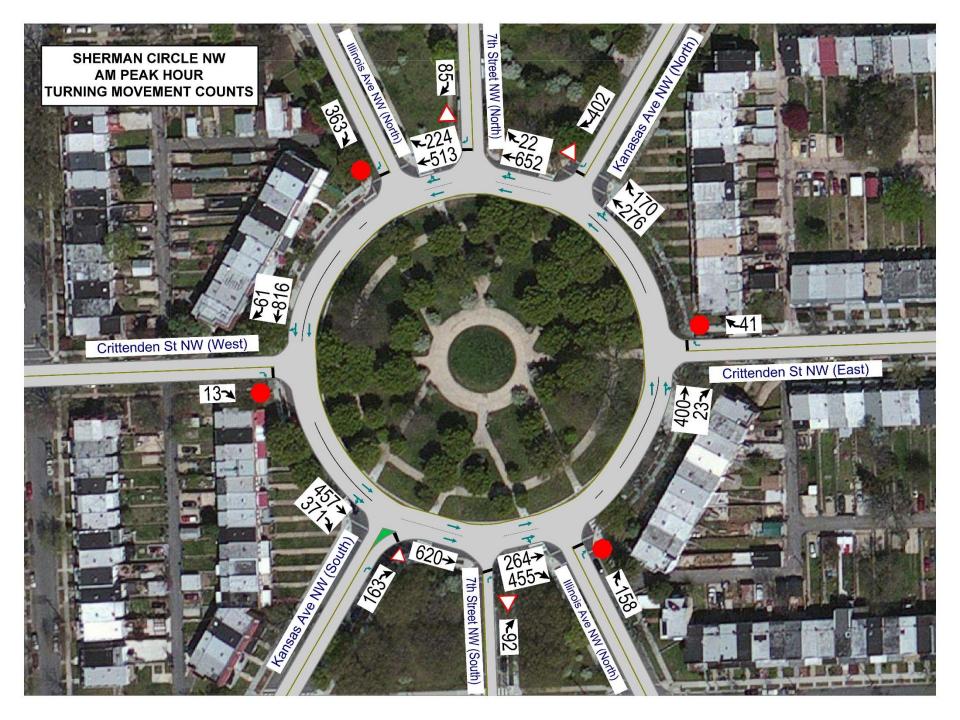
Grant Circle - Two-Lane Design

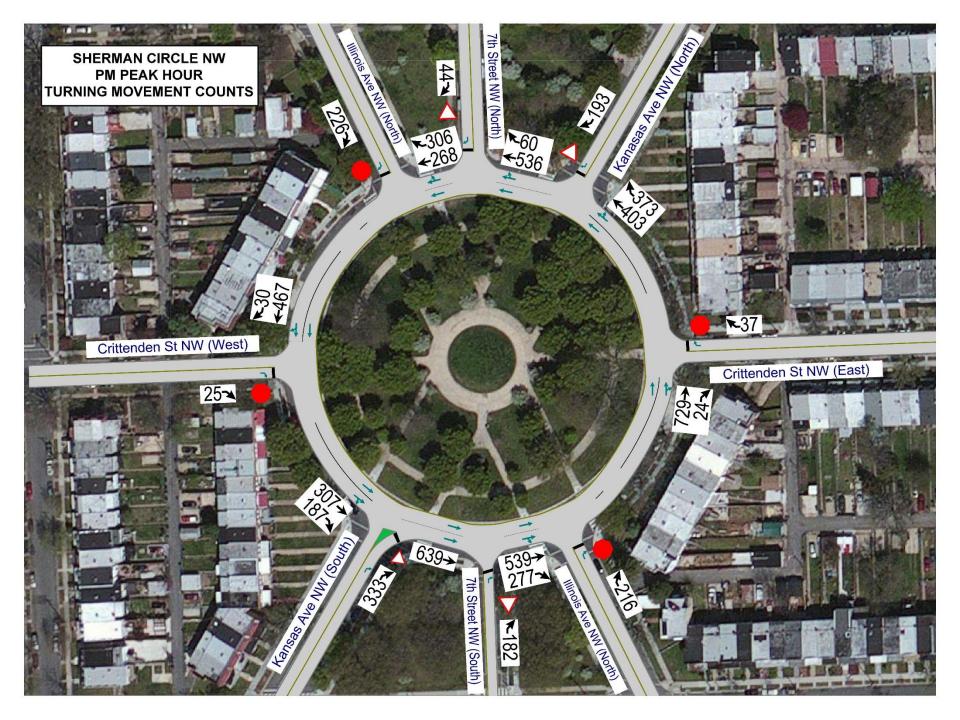


Sherman Circle

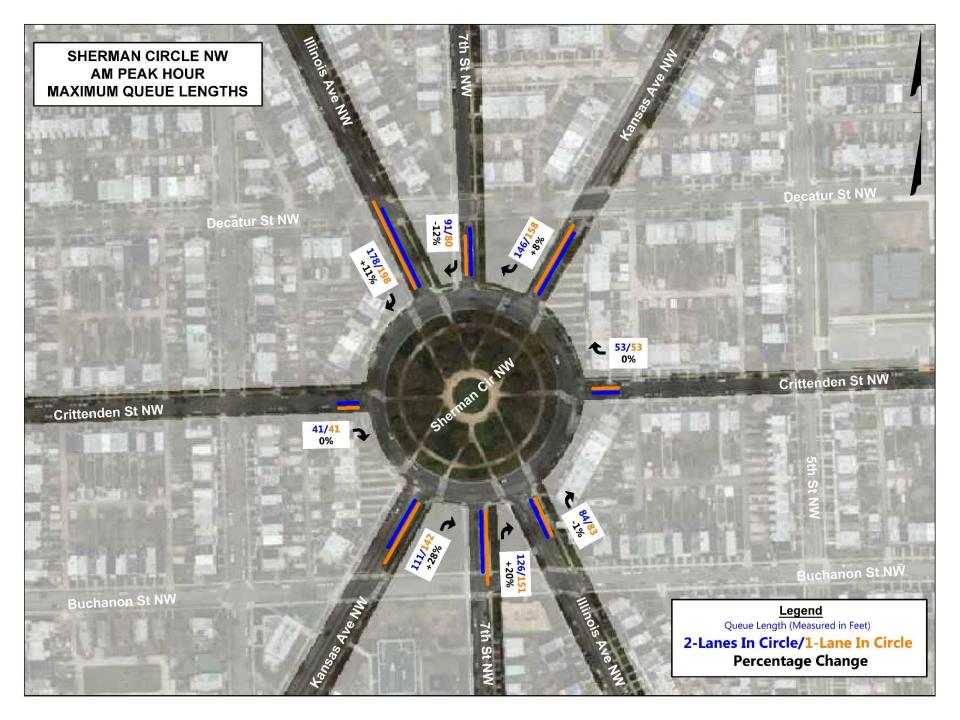
- DDOT performed same analysis for Sherman Circle that was done for Grant before the trial period
 - Existing traffic volumes were used to run operational analysis for AM/PM peaks
 - Analysis evaluated impacts to delay and queuing for vehicles entering circle
- DDOT analysis revealed minimal changes to delay and queuing as a result of reducing Sherman Circle to one travel lane
- Results support the feasibility of reducing Sherman Circle to one lane

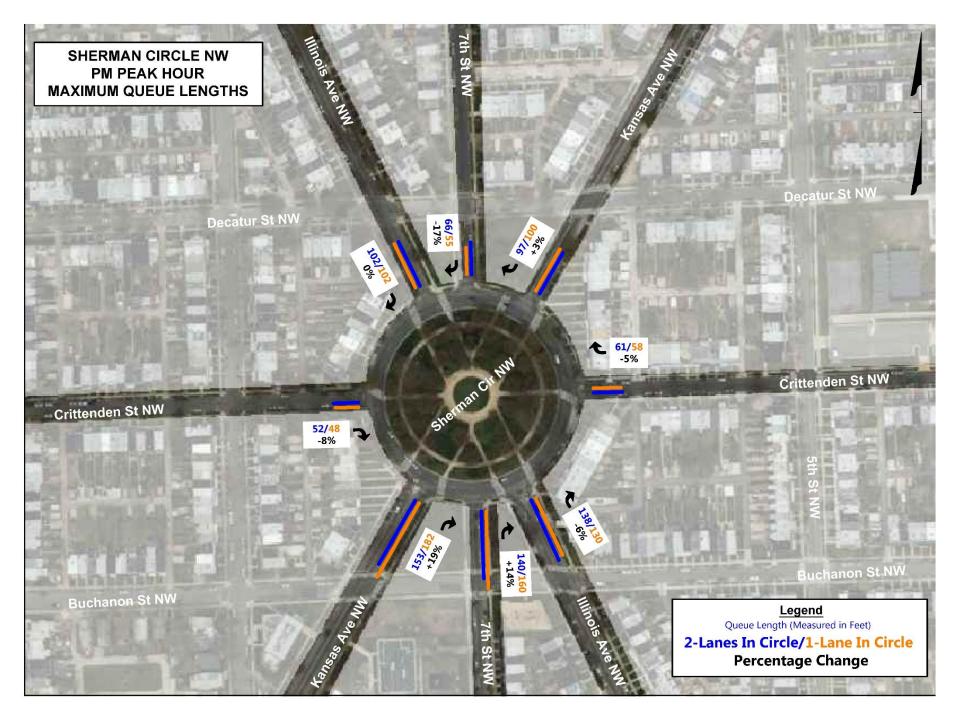
PEAK HOUR TURNING MOVEMENT COUNTS



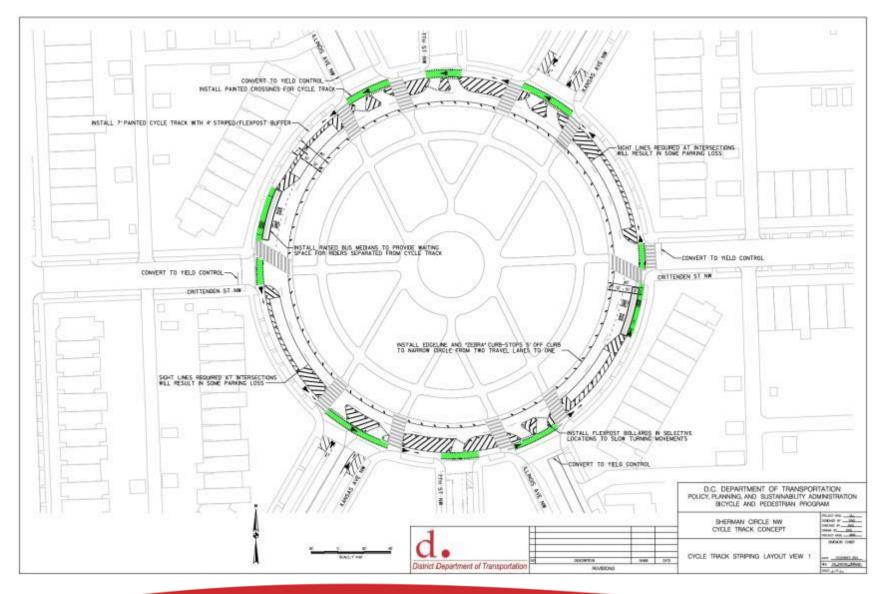


MAXIMUM QUEUE LENGTH

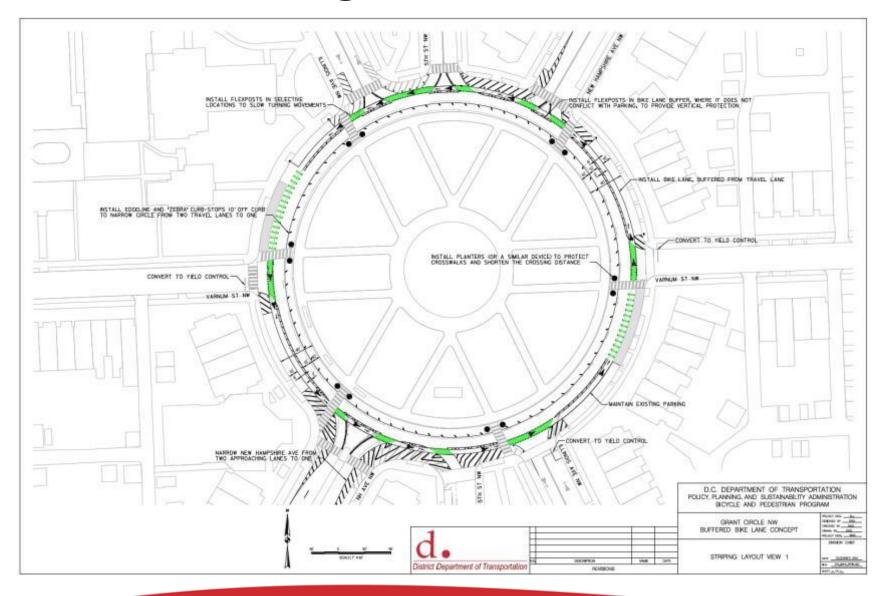




One-Lane Design – Cycle Track



One-Lane Design – Buffered Bike Lane



Next Steps – Both Circles

- DDOT will consider all public comments we receive
- Based on these comments, DDOT may further refine designs
- Next step is the Notice of Intent process, which includes a 30day comment period
 - Separate NOIs for Grant and Sherman
 - NOIs could be sent out as early as August or September
 - ANCs encouraged to pass resolutions during the comment period

Send feedback to:

Ted Van Houten

Transportation Planner

theodore.vanhouten@dc.gov