

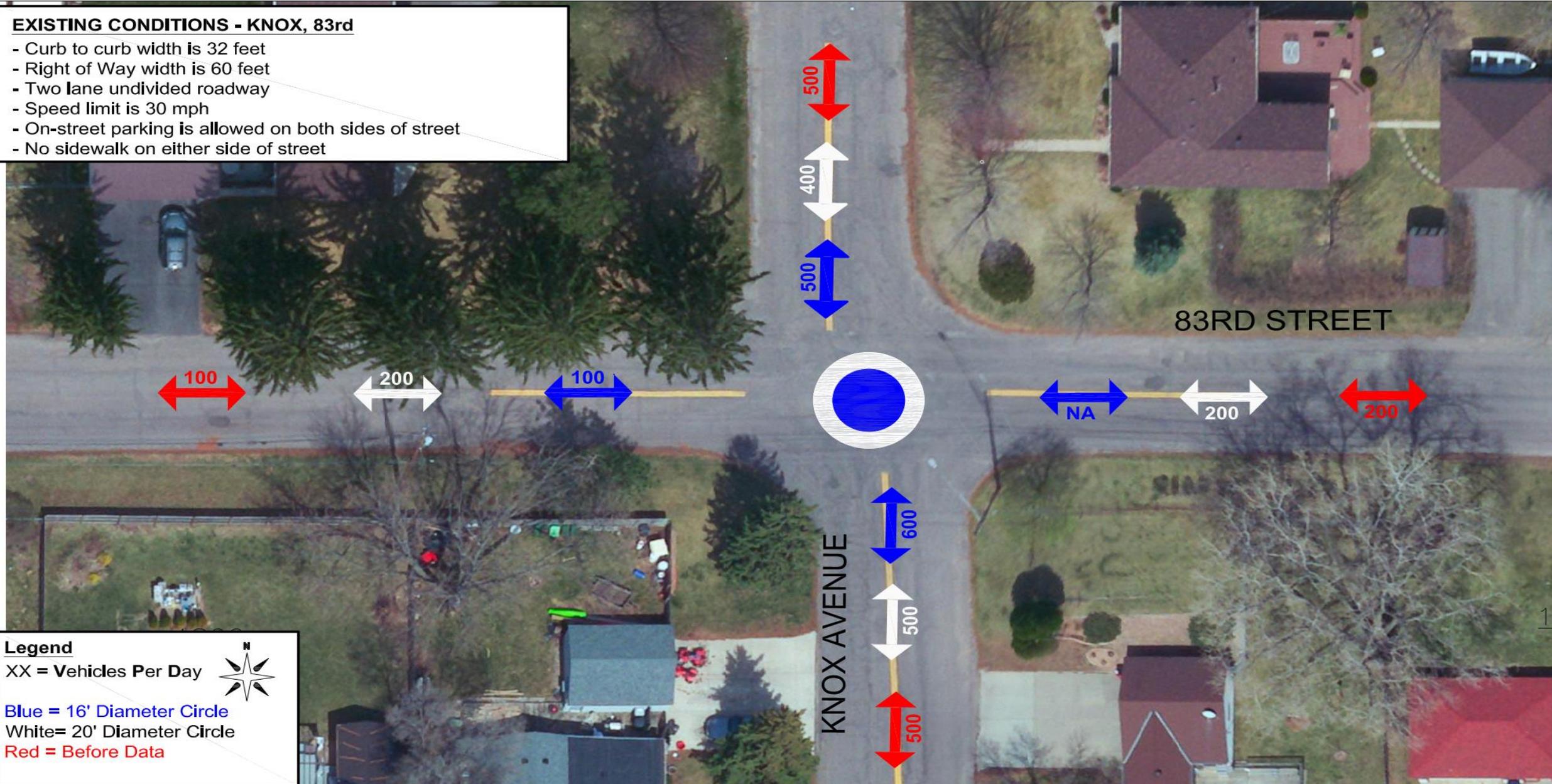
Area Map



Activate Windows
Go to Settings to activate Windows.

EXISTING CONDITIONS - KNOX, 83rd

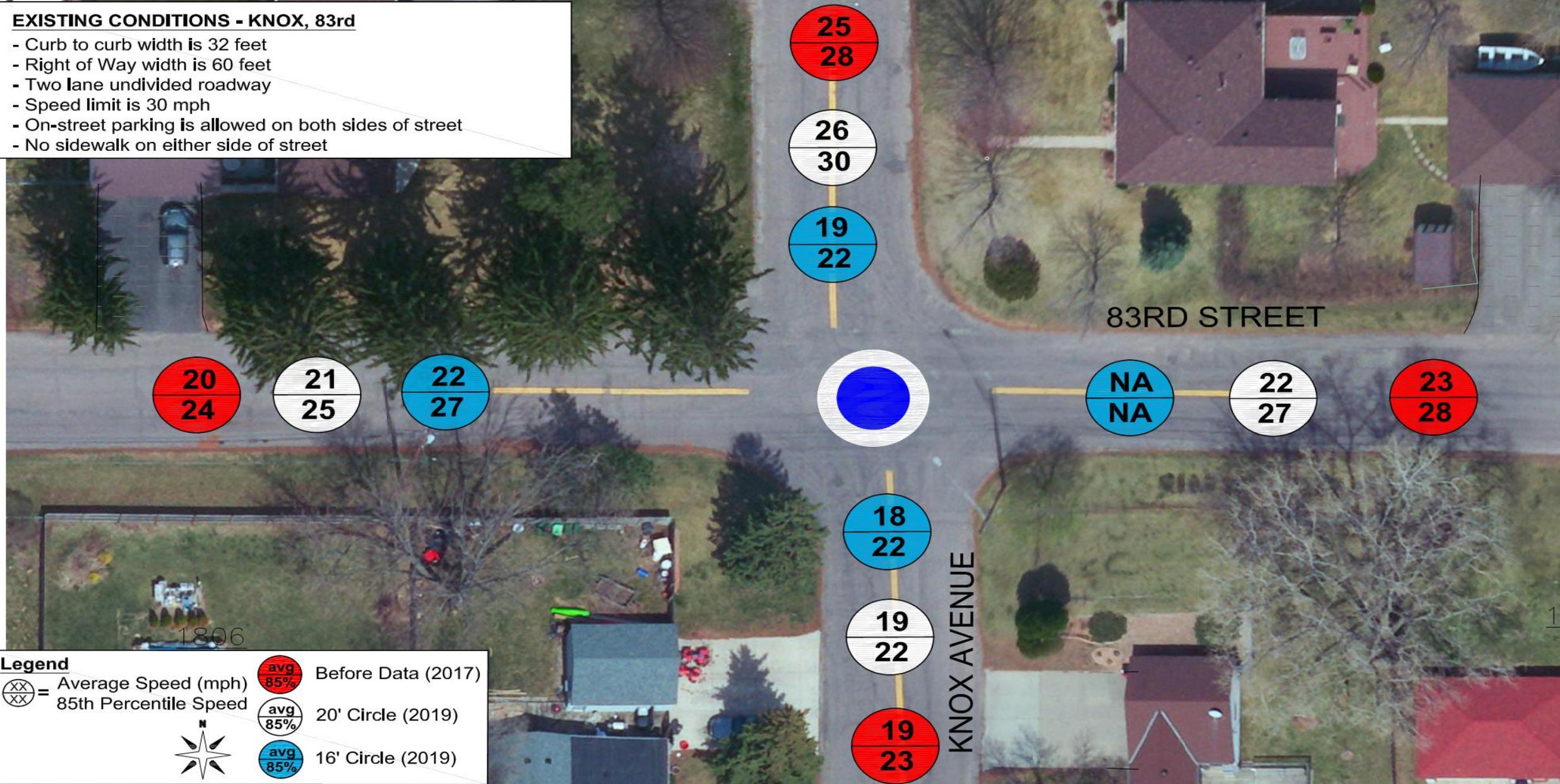
- Curb to curb width is 32 feet
- Right of Way width is 60 feet
- Two lane undivided roadway
- Speed limit is 30 mph
- On-street parking is allowed on both sides of street
- No sidewalk on either side of street



Volume Data Comparison - 20' & 16' Diameter
Knox Avenue at 83rd Street

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Legend

⊗ = Average Speed (mph)
⊗ = 85th Percentile Speed

⊗ (red) = avg 85% Before Data (2017)

⊗ (white) = avg 85% 20' Circle (2019)

⊗ (blue) = avg 85% 16' Circle (2019)

N

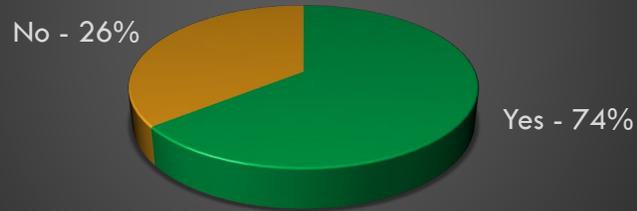
Speed Data Comparison - 20' & 16' Diameter
Knox Avenue at 83rd Street

Knox and 83rd Resident Opinion Survey – 56% Neighborhood Response



Question 1

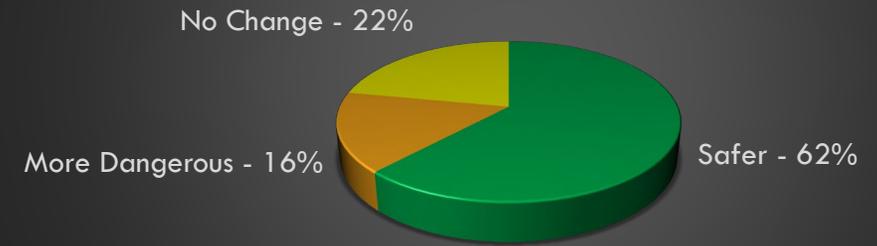
Do you think there was a safety concern at the intersection before the trial device was installed?



■ Yes - 74% ■ No - 26%

Question 2

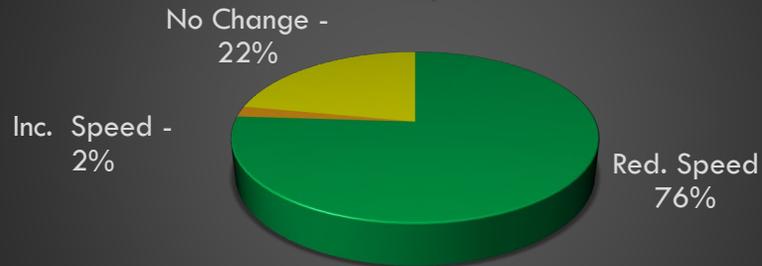
Do you feel the traffic circle made this intersection feel safer or more dangerous?



■ Safer - 62% ■ More Dangerous - 16% ■ No Change - 22%

Question 3

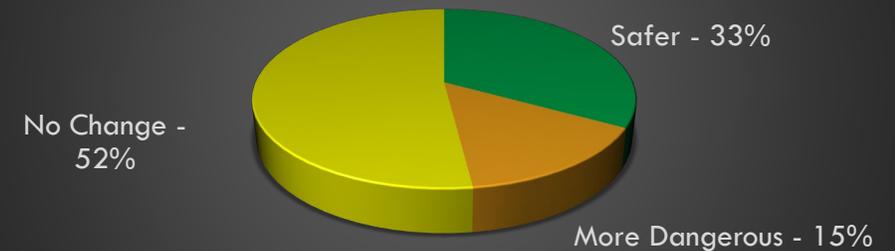
Do you feel the traffic circle affected vehicle speeds?



■ Red. Speed 76% ■ Inc. Speed - 2% ■ No Change - 22%

Question 4

Do you feel the traffic circle affected pedestrian safety at the intersection?



■ Safer - 33% ■ More Dangerous - 15% ■ No Change - 52%

82nd Street and Knox Avenue

Traffic Signal Modifications?

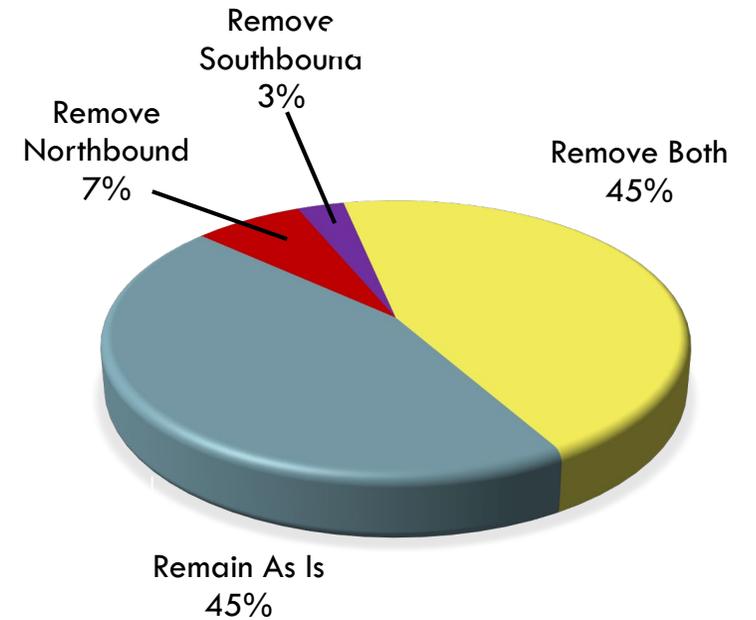
Current restrictions on North and South bound traffic will remain



Survey Question Results

Remove through movement restrictions on the signal at 82nd Street and Knox Avenue?

Current restrictions: No North or South bound through traffic allowed



Project Goals

- 1) Reduce Crash Problem
- 2) Don't increase vehicle speeds on either Knox Avenue or 83rd Street

Why a Traffic Circle?



Crash Reduction

- Assigns right-of-way to all users.
- Slows vehicles entering intersection.

Self Enforcing

- Unlike Stop or Yield control there is no ongoing enforcement of the device.
- Positive response from Resident Survey.

Why not Stops or Yield Signs?

- Intersection of Knox and 83rd Does not meet warrant guidelines for all way stop control.
- 2-way stop signs or yield signs would increase vehicle speeds on Knox Avenue. Doesn't solve the problem just changes it.
- Not self enforcing. Bloomington PD will need to monitor and issue tickets far into the future.
- Close proximity to existing traffic signal at 82nd and Knox.

Next Steps



Example of Traffic Circle's proposed design

Winter 2020 – Design

Summer 2020 – Construct 18' Diameter Traffic Circle at the Intersection of Knox and 83rd

Design and Construction will be included in the 2020 PMP Overlay program.

No additional cost to neighborhood residents.