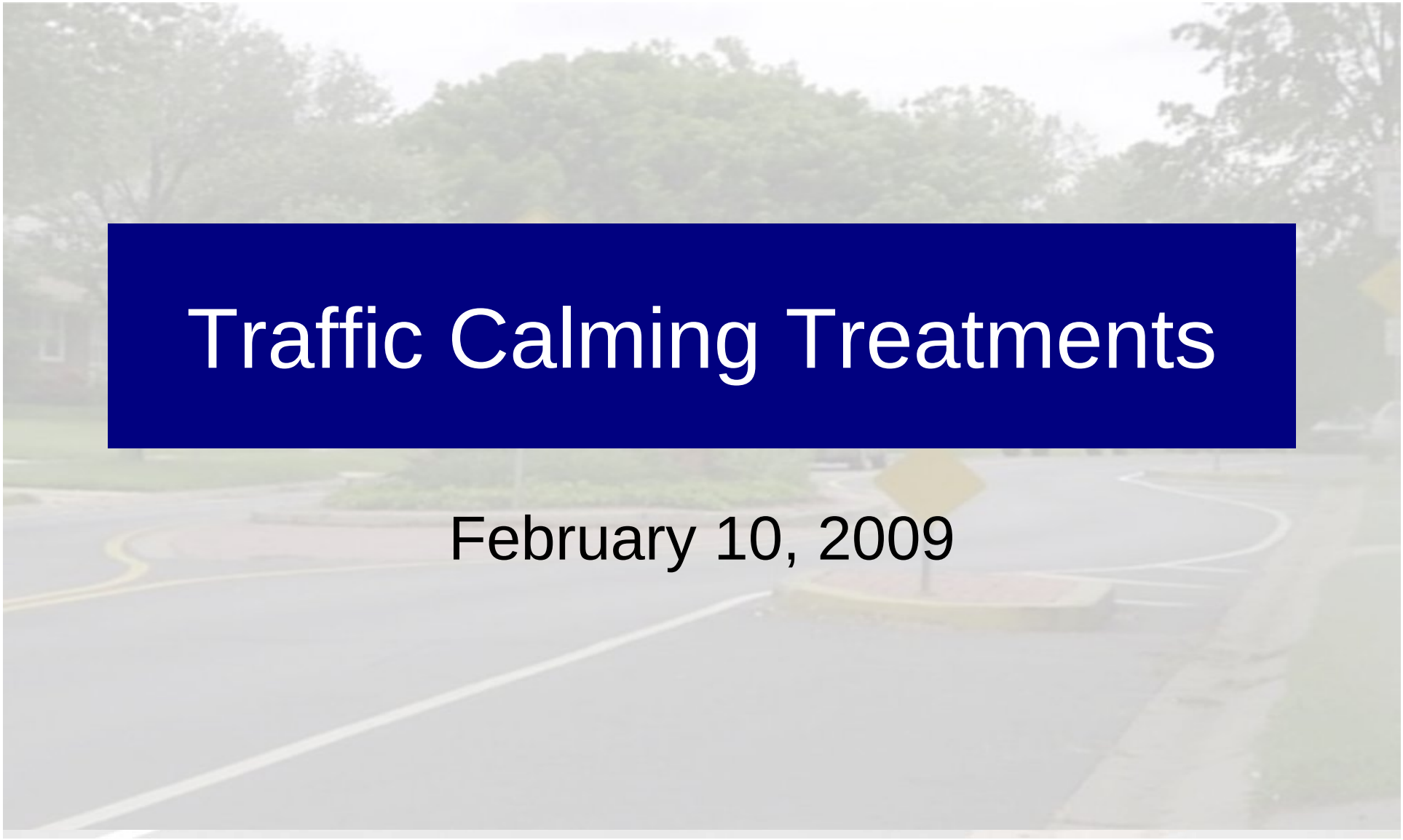


Traffic Calming Treatments

February 10, 2009

DelDOT

ATTACHMENT #1
SA&T Committee Meeting of 10/28/2009

Objectives of Traffic Calming

Traffic calming may be used to address safety issues on neighborhood streets:

- Discourage speeding
- Raise awareness of conflicting traffic movements
- Enhance pedestrian safety
- Discourage use of neighborhood streets as high-speed bypasses around congestion on major highways.

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Typical Treatments



Intersection Treatments

- Roundabouts
- Realigned Intersections

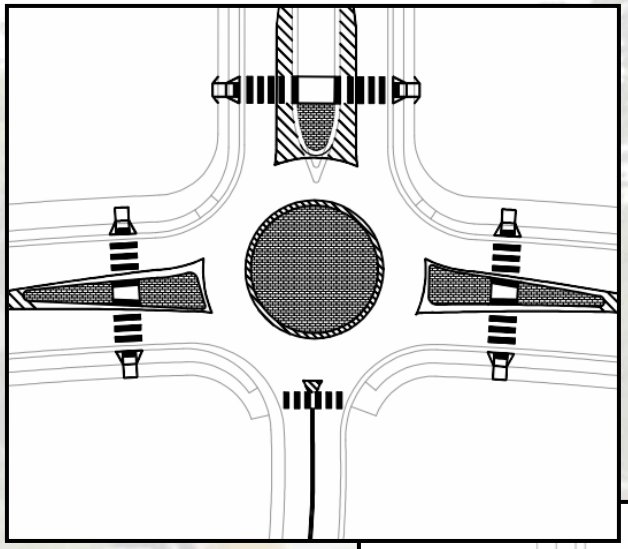
Midblock treatments

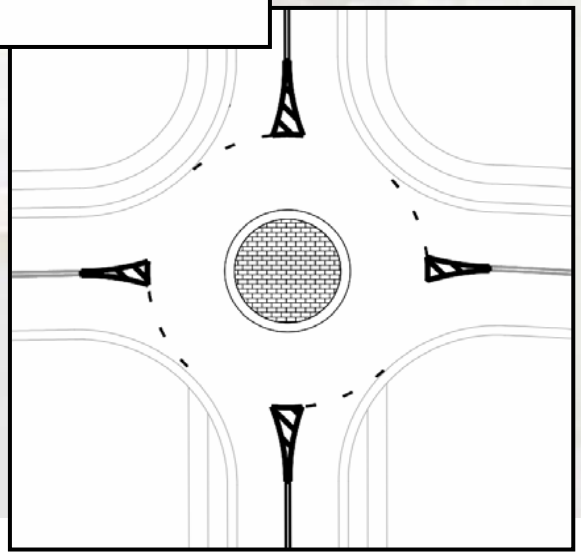
- Median treatments
- Bulbouts
- Chicanes

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Roundabouts

- Traffic entering the circle yields to traffic already in the circle.
- Deflection forces reduced speeds through the intersection.
- Splitter islands for larger roundabouts can serve as pedestrian refuge.
- Center island can be designed to accommodate larger vehicles.
- “Mini-roundabouts” can often provide traffic-calming benefits without requiring widening.

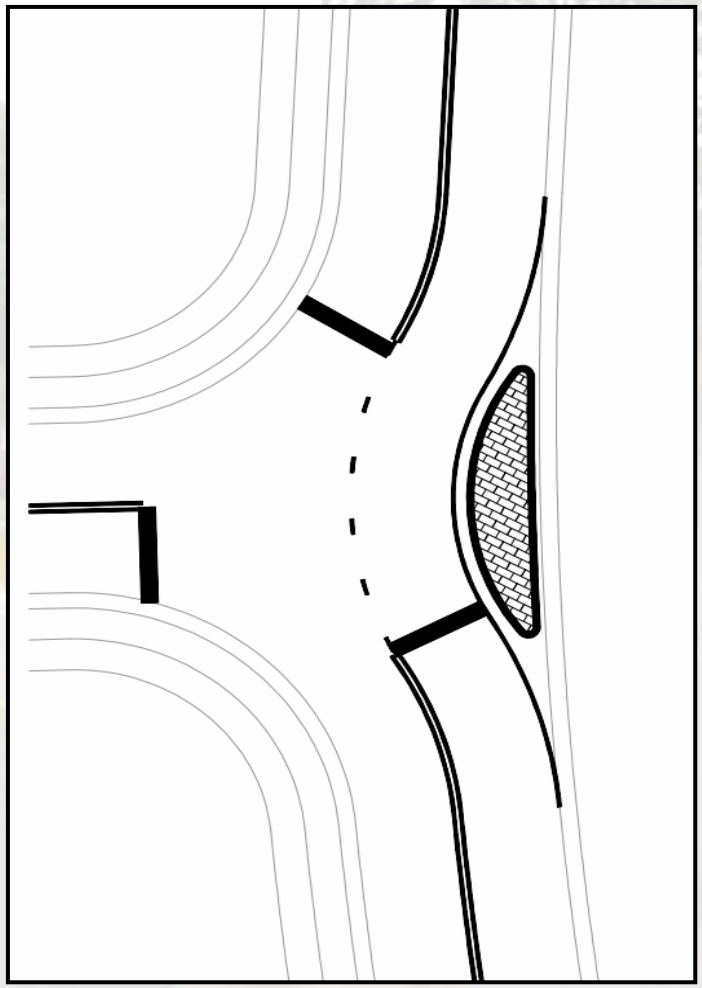




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Realigned Intersections

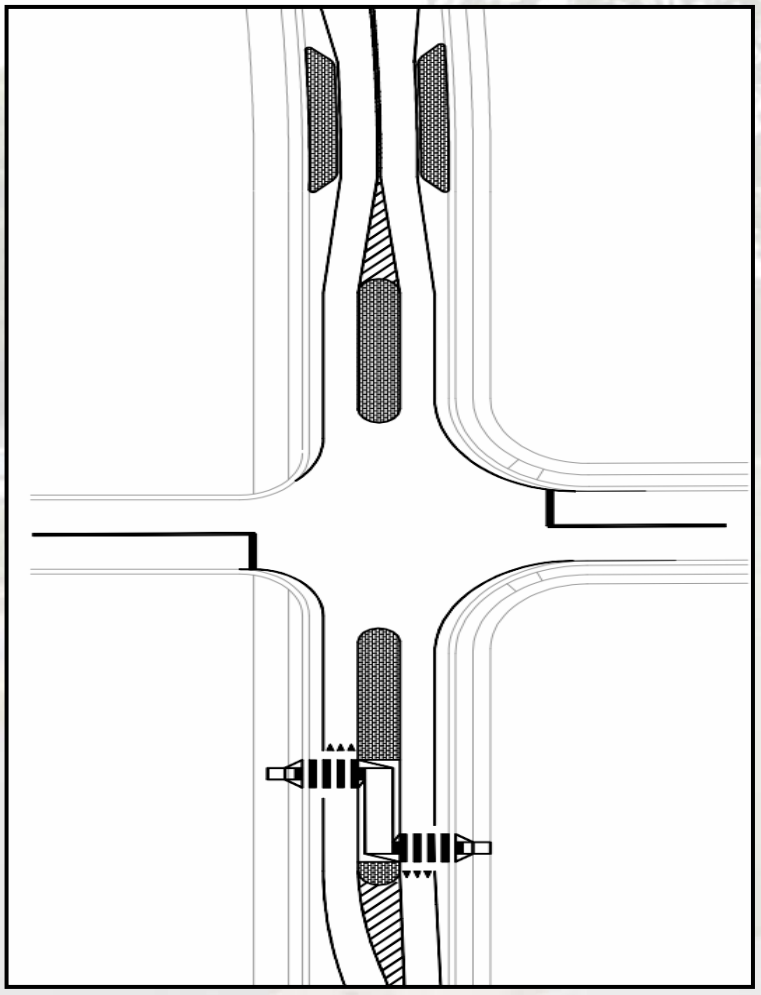
- Converts “T” intersection to all-way stop.
- Bulbout island discourages through-street traffic from “blowing through” the intersection.
- Enhances visibility of side street traffic from through-street approaches.
- Creates an opportunity for all-way stops at intersections that would not ordinarily meet warrants.



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Median treatments

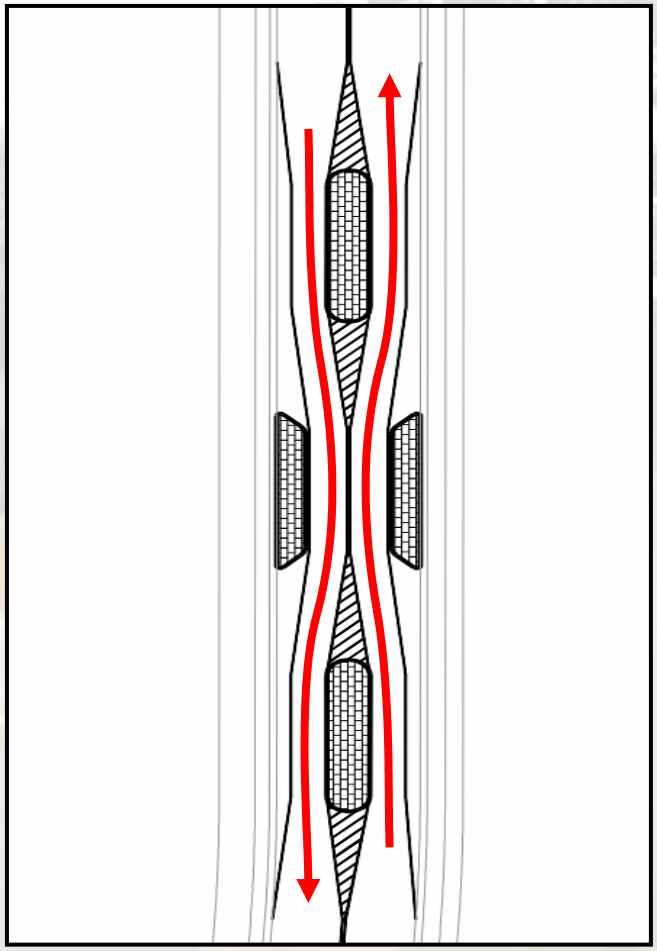
- Median separation, either midblock or at intersection approaches.
- Appropriate for wider roadways; islands channel traffic and narrow the roadway, encouraging slower speeds.
- Pedestrian safety is enhanced by limiting crossings to one traffic direction at a time. Islands may serve as refuge areas.
- May be combined with bumpouts to create chicanes.



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Chicanes

- Chicanes create deflection in the travel lanes through a combination of bumpouts and median islands.
- Designed to force travel speeds more consistent with speed limits.
- Islands and bumpouts can shorten crossing distance or provide median refuges, enhancing safety at midblock ped crossings.



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