



Memorandum

TO: Transportation & Safety Committee

FROM: Alex Ariniello, Public Works & Utilities Director

DATE: December 2, 2019

RE: Yarrow Circle Traffic Calming Request

Background

Town Staff received a Neighborhood Traffic Calming Program (NTCP) Application from the 2900 block of W. Yarrow Circle neighborhood in June, 2019. Staff had traffic volume and speed counts taken at two locations in early September with the results summarized in the attached spreadsheet.

Step 2 of the NTCP guidelines provides for data collection which is summarized for the Yarrow Circle neighborhood below:

Traffic speed:

	85 th Percentile Speed (% Exceeding 25 MPH)	
	<u>Northbound</u>	<u>Southbound</u>
• W. Yarrow #1 (south of RCC)	26 MPH (34%)	25 MPH (22%)
• W. Yarrow #2 (south of Gardenia)	26 MPH (30%)	25 MPH (26%)
• W. Yarrow #3 (west of Vinca)	23 MPH (15%)	23 MPH (11%)
• E. Yarrow #4 (south of Aster)	29 MPH (57%)	24 MPH (18%)
• E. Yarrow #5 (south of RCC)	25 MPH (27%)	23 MPH (8%)

Traffic volume:

• W. Yarrow #1 (south of RCC)	898 VPD
• W. Yarrow #2 (south of Gardenia)	685 VPD
• W. Yarrow #3 (west of Vinca)	181 VPD
• E. Yarrow #4 (south of Aster)	537 VPD
• E. Yarrow #5 (south of RCC)	1165 VPD

Accident history: 2011-2018 Accidents

- W. Yarrow 2
- E. Yarrow 4

Amount of cut through traffic:

- W. Yarrow Minimal
- E. Yarrow Minimal

Presence of school crossings:

- W. Yarrow None
- E. Yarrow None

Presence of nearby pedestrian generators:

- Open Space Trails to the north and east

Number of affected households:

	<u>With Back out Driveways</u>	<u>Others Affected</u>
• W. Yarrow	58	93
• E. Yarrow	39	71

Street Width

- W. Yarrow
 - 32 ft. flowline to flowline plus 4½ ft attached walks
 - 2.5% down grade from south to north
- E. Yarrow
 - 32 ft. flowline to flowline plus 4½ ft attached walks
 - 4% down grade from south to north

NTCP Eligibility Criteria

Traffic-calming measures will only be applied in areas where the 85th percentile speed exceeds the posted limit by more than 5 mph, **and** where the volume of traffic exceeds 500 vehicles per day.

- All sites do not exceed speed threshold
- All sites exceed volume threshold

Superior Street Design Standards

Since 2003 the Town’s Street Design Standards have included guidelines for “identifying streets that may be candidates for traffic calming measures, traffic volume and unimpeded street length should be considered. Unimpeded street length is the distance between speed impediments, i.e. stop signs, traffic signals, sharp turns, cul-de-sacs, etc. Streets that generally will require implementation of traffic calming measures are listed in Table 1.8 along with minimum criteria to qualify for Traffic Calming.

TABLE 1.8
MINIMUM CRITERIA FOR TRAFFIC CALMING

Classification	Unimpeded Street Length	Traffic Volume
Local Street	> 1,200 feet	< 500 vpd
Local Street	> 900 feet	500 – 2,000 vpd
Minor Collector	> 900 feet	> 2,000 vpd

vpd = vehicles per day

The unimpeded length of E. Yarrow is 1,830 ft while that of W. Yarrow is 1,760 ft. Each street has several curves but they all have design speeds in the 30 to 35 mph range. Both these streets exceed the unimpeded length criteria.

Attachments

- NTCP Application
- Traffic Volume & Speed Data Summary
- Traffic Volume & Speed Data Files