



TOWN OF CRAMERTON

Planning & Zoning Department

TO: Town of Cramerton Board of Commissioners

FROM: Dave Pettine, AICP; Planning Director

RE: Traffic Studies on Lake Dr., and Armstrong Rd.

Following citizen requests, the Town of Cramerton Police Department (CPD) conducted two separate speed studies on Lake Dr., and Armstrong Dr., both in the Lakewood Community. These speed studies have been evaluated under the newly adopted Traffic Calming Policy, and staff would like to provide the following summaries of each.

Lake Dr. – posted speed limit 20 MPH

- Study conducted 11/8-10/16
- **Initiation of Request**
 - Citizen driven
- **Analysis**
 - 416 total vehicles evaluated
 - Average speed - 21 MPH
 - Highest speed – 47 MPH (at approximately midnight)
 - 327 vehicles traveling above the posted speed limit
 - 85% traveling between 20-30 MPH
 - 50% traveling between 20-22 MPH
 - Heaviest volume between 3:00 -4:00 PM
 - No reported collisions in the past 12 months at the time of the study
- **Findings**
 - Results of the study show an average speed of 21 MPH, indicating a **Class A** traffic issue.
 - Average speed is within the 0-9 MPH range over the posted limit

Armstrong Dr. – posted speed limit 20 MPH

- Study conducted on weekday, and weekend in March 2017
- **Initiation of request**
 - Citizen driven
- **Analysis** (weekday study)
 - 1,262 vehicles evaluated
 - Average speed – approx. 20 MPH
 - Highest speed – 43 MPH (approximately 2:00 PM)
 - 930 vehicles travelling above posted speed limit

- 85% of vehicles travelling above the posted speed limit were travelling between 21-28 MPH
- **Analysis** (weekend study)
 - 1,360 vehicles evaluated
 - Average speed – 25 MPH
 - Highest speed – 47 MPH (approximately 4:00 PM)
 - 1,166 vehicles travelling above the posted speed limit
 - 85% of those vehicles travelling above the posted speed limit were travelling between 21-31 MPH.
- **Findings**
 - Results of the study show an average speed of approximately 20 MPH, and 25 MPH for each day, indicating a **Class A** traffic issue.
 - Average speed is within the 0-9 MPH range over the posted limit

Actions

- Staff to present study findings to the BOC per this memo
- BOC to make final determination on any additional traffic calming measures are to be considered/implemented
 - Items to consider
 - Increased enforcement by CPD
 - Installing additional stop signs to create 3-way stops at Treeline Dr. and Armstrong Dr., and at Oak Dr. and Lake Dr.
 - If speed bumps were to be installed, they would need to be placed on both Lake Dr., and Armstrong Dr.