

## Summary of North Fairview Farms HOA Speed Study 2017

### Speed (85th %) Data Summary

#### Ridgecrest N of Cedaredge\_House #1673

SB - 36 MPH

NB - 37 MPH

Combined - **36 MPH**

#### Cedaredge E of Grandview\_House #2006

WB - 31 MPH

EB - 30 MPH

Combined - 30 MPH

#### Grandview N of Fairfield\_House #1691

NB - 30 MPH

SB - 29 MPH

Combined - 29 MPH

#### Fairfield E of Grandview\_House #1992

SB - 25 MPH

NB - 26 MPH

Combined - 26 MPH

#### Grandview N of Brookfield Ct\_House #1550

NB - 29 MPH

SB - 29 MPH

Combined - 29 MPH

#### Ridgecrest N of Cedaredge\_House #2338

WB - 27 MPH

EB - 29 MPH

Combined - 28 MPH

#### Pleasant View E of Hillcrest\_House #2440

WB - 27 MPH

EB - 26 MPH

Combined - 27 MPH

\*When reviewing speed data we look at the 85th percentile speeds (speed at which 85% of the motorists are either at or below).

### Volume Data Summary

#### Ridgecrest N of Cedaredge\_House #1673

170 ADT (Avg Daily Traffic)

#### Cedaredge E of Grandview\_House #2006

841 ADT

Grandview N of Fairfield\_House #1691

519 ADT

Fairfield E of Grandview\_House #1992

125 ADT

Grandview N of Brookfield Ct\_House #1550

1534 ADT

Ridgecrest N of Cedaredge\_House #2338

320 ADT

Pleasant View E of Hillcrest\_House #2440

652 ADT

Nothing out of ordinary with the traffic volumes.

Crash Data summarized below.

TIA Crash report from 01-01-13 thru today attached.

2013 - 3 crashes (2 due to parked vehicle)

2014 - 3 crashes (1 due to icy conditions, 2 due to parked vehicle)

2015 - 2 crashes (both due to parked vehicle)

2016 - 1 crash (due to parked vehicle)

2017 - 0

2018 - 0

\*Parked vehicles appear to be the main issue. However, it seems to have subsided as there are no reported crashes in 2017 and none thus far in 2018.

#### Speed Hump Cost

- \$3,650 per speed hump (based on typical residential street width of 27 feet back of curb to b/c). Installation costs broken down as follows (estimated. actual costs based on bids received):
  - \$2,500 - speed hump
  - \$150 - traffic signage
  - \$300 - chevron markings
  - \$700 - city admin fee
  - Costs split 50/50 between CITY and HOA.

#### Signatures

- Since your subdivision has an HOA, the CITY would accept a BOARD resolution indicating support for installation and agreeing to share the costs 50/50 between the CITY and HOA.
- Speed humps typically affect 4 adjacent property owners. All 4 would need to be in favor and sign off for approval.

#### Speed Hump Eligibility

- 85th percentile speeds must be a minimum of 31 MPH.

- Road longitudinal slope can't exceed 8%.
- May not be placed within 150 feet of an intersection.
- May not be placed within 10 feet of driveway (this is so residents don't have to drive over speed hump when backing out of driveway).
- Based upon last speed study performed, the 85th % speed did not meet the threshold.
- If they end up being warranted and based upon the road network layout, you're probably looking at 4 speed humps along each road.

Based on the data Ridgecrest at address #1673 would potentially qualify for speed humps, however, the ADT is only 170 vehicles so it's probably not cost effective to install at this location. Also, would need to verify the longitudinal slope of the road to confirm that it does not exceed 8% as speed humps are not permitted on roads exceeding 8%.

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