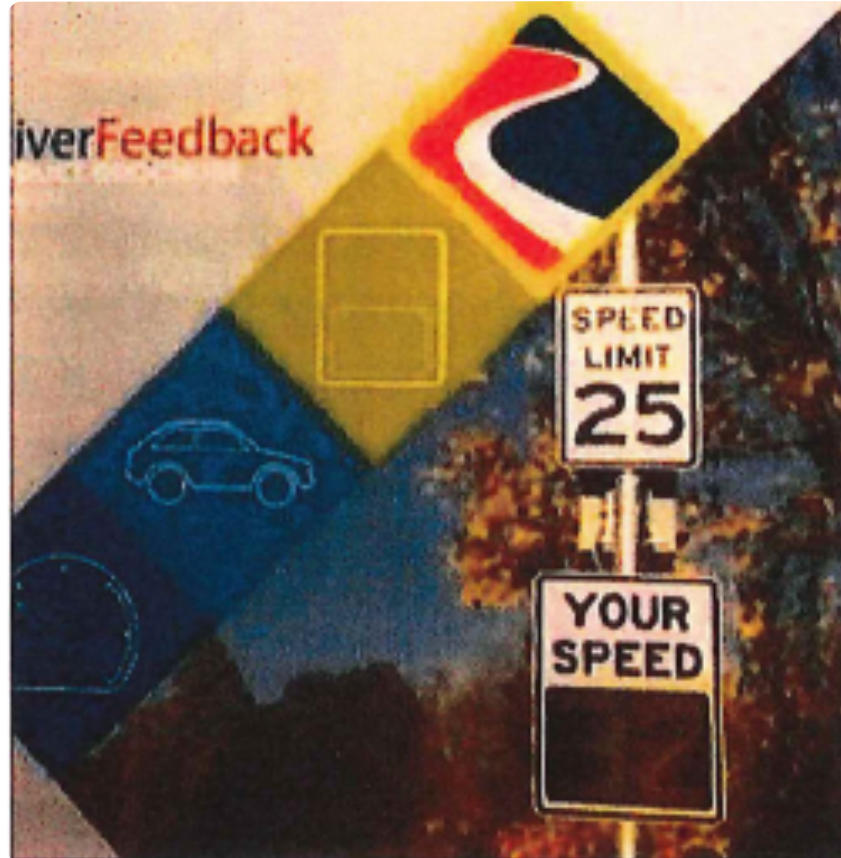


Solera Oak Vally Greens Association Ad Hoc Traffic Committee Report

August 19, 2020
Presentation



Solera Oak Valley Greens Association Ad Hoc Traffic Committee 2019-2020

John Chavez - Chairman

Pat Shearer - Member

John Mitchell - Member

George Vawter - Member

Lee Cohen - Member

Peter Marchi - Alternate

Pat King - Liaison Board Member

Marcia Casem - Liaison Board Member

Solera Oak Valley Greens Association Ad Hoc Traffic Committee Charter

Provide Recommendations to Solera Board of Directors with methods to minimize potential traffic concerns within Solera Oak Valley Greens.

Solera Oak Valley Greens has approximately 12 Miles of residential streets. There are 100 Stop signs throughout the property with speed limits of of 20 MPH in residential areas, and 25 MPH on the main Roadways.

Ad Hoc Traffic Committee Process

- Review Neighboring Communities Traffic Calming programs
- Determine Traffic issues based on Residential Survey
- Conduct Security Patrol Stop Sign, Survey
- Determine Top 3 Traffic issues
- Evaluate Traffic Calming Management Systems
- Evaluate Traffic Calming Deterrents
- Recommend Traffic Calming Techniques and Deterrents

Ad Hoc Traffic Committee Residents Survey Issues

- 254 Responded to Survey
- 16.5% There are 0 Traffic Issues
- 66.53% Stated Excessive Speeds
- 76.3% Stated Stop Sign Violations
- 12.2% Stated Over Night Street Parking
- 12.6% Stated Over Night RV Parking
- 34.6% Stated Bicycle General Non-Compliance

**Ad Hoc Traffic Committee
Residents Survey
Vendor**

67% Speed

53.3% Stop Sign

23.1 % Street Blocking

Ad Hoc Traffic Committee
Security Patrol Stop Sign Survey
3,685 Observations

- 21.5 % Made Full Stops
- 53.75% Made Rolling Stops
- 24.75% Made No Attempt to Stop

Combining the Rolling Stop, with No Attempt to Stop, results in 78.5% of the Observations Violated Stop Sign Protocols

STOP

Ad Hoc Traffic Committee

Top 5 Stop Sign Violations By Intersection

1. Fairway Drive @ Golf Club Drive
2. Fairway Drive @ Westchester Road
3. Snowberry Road @ Brentwood
4. Fairway Drive @ Brentwood
5. South Forest Oaks @ Fairway

Solera Daily Traffic Volumes

There are 5 gates serving Solera. These gates provide access to approximately 2,020 vehicles per day. This number includes delivery, contract, service, guests and residential traffic. The majority of traffic travels from East to West.

Potential Traffic Calming Solutions

- **Beaumont Police Patrol**
- **Self Manage Traffic Control**
- **Install Awareness Devices (Digital Display)**
- **Install Speed Deterrents (Speed Cushions)**

Review Potential Solutions Requirements

- **Beaumont Police Patrol**
- Requires Traffic Engineering Roadway Certification
- Requires MOU with City of Beaumont
- Requires Periodic Recertification

Review Potential Solutions Requirements

- **Self Management**
- Requires Traffic Engineering Roadway Certification
- Requires Computer Software Purchase and Training
- Requires Solera Security Patrol Certification
- Requires HOA Penalty Clause For Traffic Violations
- Requires Residential Appeals Process

Review Potential Solutions Requirements

Awareness Devices

Purchase & install Portable Digital Awareness Devices

Physical Speed Deterrents & Stop Sign Observance

Select Speed Cushions / Speed Bumps

Contract install

Locations TBD

Budgets for each Technology to be determined

Solera Residents Comments/Recommendations

- Establish Permanent Safety Committee
- Adopt Traffic Management Protocols and Consequence
- Beaumont PD Patrol
- Establish Traffic/Safety Budget
- Install Speed Cushions, Bumps, Botts Dots
- Install Speed Tables at intersections
- No Speed Bumps
- Install Flashing Stop Signs
- Provide Additional Exit @ PO Reduce Traffic Volume on Brentwood

Ad Hoc Traffic Committee Recommendations

- Establish Permanent Solera Safety Committee
- Establish Periodic Traffic and Safety Article (Gazette)
- Purchase 3 Portable Digital Displays with Feedback
- Install Speed Cushions at High Risk Intersections
- Install Speed Cushions on Brentwood between South Forest Oaks and Snowberry
- Add Exit to Fairway Drive from ROD
- Paint All Crosswalks with raised reflective paint
- Conduct Traffic Surveys Throughout Community