



Solera Oak Valley Greens Association

Traffic Presentation

September 14, 2022

SOVGA Ad Hoc Traffic Committee information

- This Ad Hoc Traffic Committee met in early 2020 and presented their report on August 19, 2020. Here is some information in their report:
- Solera Oak Valley Greens has approximately 12 miles of residential streets.
- There are 100 Stop signs throughout the property with speed limits of 20 MPH in residential areas, and 25 MPH on the main Roadways.

Continued: 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
- 34.6% Stated Bicycle General non-Compliance
- Vendors:
 - 67% Speed
 - 53.3% Stop Sign
 - 23.1% Street Blocking

Continued: Security Patrol Stop Sign Survey

- 21.5% Made Full Stops
- 53.75% Made Rolling Stops
- 24.75% Made No Attempt to Stop
- Top 5 Stop Sign Violations by Intersection:
- Fairway Drive @ Golf Club Drive
- Fairway Drive @ Westchester Road
- Snowberry Road @ Brentwood
- Fairway Drive @ Brentwood
- South Forest Oaks @ Fairway
- *Current consensus would add Brentwood @ South Forest Oaks
- * Golf Club and Hidden Oaks

Continued: 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.

Continued: Ad Hoc Committee Recommendations, in part:

- Portable Digital Displays with Feedback
- Install Speed Cushions at High-Risk Intersections
- Install Speed Cushions on Brentwood between South Forest Oaks and Snowberry
- Paint All Crosswalks with raised reflective paint
- **A few comments and recommendations from Solera Residents:**
- NO Speed Bumps
- Install Speed Cushions
- Install Flashing Stop Signs

August 2022

- Pat King, Marcia Casem, John Chavez, and Willie Hill began the task of reviewing the Fire Marshall's letter regarding Traffic Calming measures in early January 2022. We also took into consideration of the Ad Hoc Traffic Committees results and recommendations.
- By summer of 2022, Pat and Marcia met with a representative from Traffic Logix and LED Light Solutions to discuss Solera's first best options.

Moving Forward

- Taking into consideration the Ad Hoc Traffic Committee, Member's survey, and discussions with Vendor experts, we are presenting today three (3) recommendations which coincide with each other.



FLASHING
STOP SIGNS

Flashing Stop Sign Retrofit



Product Specifications:

- **TYPE:** Helios Series 30" Solar Powered Flashing Stop Sign
 - **PRODUCT CODE:** HELIOS-OCTXX-0030-DMG-RLED-SL
 - **SHAPE:** Octagon
 - **DIMENSIONS:** 30-inch Octagon
 - **LED COLOR:** Red
 - **MUTCD CODE:** R1-1
 - **SIGN MATERIAL:**
 - Diamond Grade Reflective Sheeting
 - **DIMENSIONS:** 30-inch Octagon
 - **FLASH PATTERN:** MUTCD Single Flash
 - **WORKING MODE:** 24/7 or Bluetooth controlled via 'TT Solar' Android App (Timer and Dimming Function)
 - **BATTERY LIFE SPAN:** 3-5 Years
 - **SOLAR PANEL:** 15W/18V
 - **CONTROL BOX SIZE:** 15" x 13.75" x 1.75"
 - **WARRANTY:** 3 Years
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- **Helios Series 30" Solar Powered Flashing Stop Sign \$999.99**
 - **30" Solar Flashing LED Octagon Retrofit Kit \$899.99**

Continued:

- **Operation:**

- 1. *Can these sign retrofit kits be turned on and off with an app or laptop?*
 - a. Yes, we offer an app for Android users that can operate the sign's junction box via Bluetooth app with on/off functions, timer options and dimming options. It must be a device that supports APK files, and the user must be within 55ft to manage changes.
- 2. *Does the solar Helios sign and solar retrofit kit unit have an App for iPhone/iOS?*
 - a. No, we are in development for an iOS/ iPhone app. Only Android/ APK file compatible devices for now. The standard solar box that accompanies these products will operate 24/7 factory standard—any adjustments can only be made with the Android (APK) app.

- 3. *Does the solar Helios sign and retrofit kit shut off in the daytime?*
 - a. Standard operation for the solar junction box will be 24 hours unless adjusted to customer needs within the Android phone/ tablet app.

- 4. *Can we program at specific times or just come on after dark?*
 - a. The functionality and operation times can be adjusted with the programmable timer via Android app.

Cont.

- 5. *What flash pattern does the Helios sign and retrofit kit use?*
 - a. Our new Helios series uses a single-pulse flash pattern within the MUTCD frequency requirements of 50 to 60 flashes per minute to avoid epileptic issues and other optical issues

Digital Speed
Reader Sign



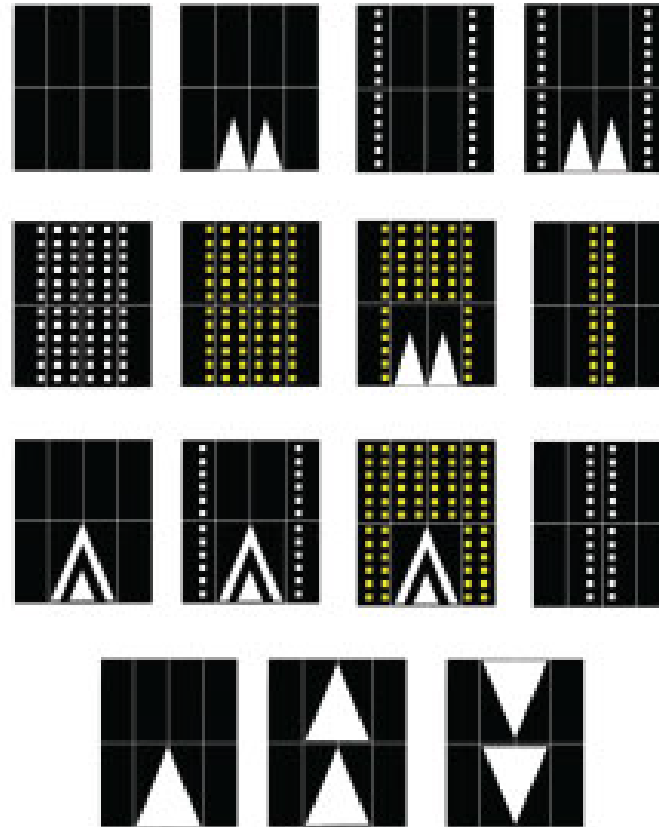
Digital Speed Reader Sign

- If purchased the cost is \$2,649. each.
- Four (4) would cost \$10,596.
- If rented the cost is \$539. per month.
- Four (4) would be \$2,156 per month.
- We would require the use of four (4) signs for one month only.

Why Digital Speed Reader Signs?

- In order to move to the next step of a more permanent device to slow down the speed of vehicles before reaching a Stop Sign, the speed is needed to know where to place such devices.
- The idea is to slow the speed down prior to reaching a Stop Sign.
- If the speed is reduced the vehicle will be going slower by the time, they reach the intersection, and hopefully, will STOP at the Stop Sign.

SPEED CUSHIONS



Speed Cushions

- Traffic Logix recycled rubber speed cushions are a series of small humps installed across the width of the road. Designed to be wide enough to slow cars while narrow enough for emergency vehicles to straddle, ideal for streets where emergency response time is a concern.

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- Speed cushions slow cars to between 15 -20 mph. Made of interlocking units that simply snap together, they are quick and easy to install. Typically, 3” high and 3,5’ long, speed cushions are an innovative solution that can help slow speeders and protect your roads without slowing emergency vehicles.
- Based on the average speeds, speed cushions for our streets could be 6’-7’ wide X up to 14’ long.

Cont.

- Standard Markings:
- Markings are embedded into rubber during manufacturing process. Reflective markings are available in yellow or white squares, white arrows, or any combination of the three.

Cont.

- FEATURES:
- Series of small speed humps
- Interlocking, puzzle piece design
- Highly visible with bright highway tape
- Environmentally friendly
- Quick and simple to install
- Customizable sizing and taping.

Cont.

- We have provided the following information for you.
- Speed Cushions:
- Standard Markings
- Specs: Module Dimensions, Speed Cushion Specs., Standard Speed Cushion Specs, Physical Properties, Vehicle Wheel Tracks for: Automobiles, Trucks, SUVs, Fire Trucks, and Ambulances.

Answers to these questions: Why Speed Cushions? Can they really do that? Why Rubber?

Traffic Awareness is Important to Solera

THANK YOU

A copy of this presentation will
be posted on the Solera website.

Questions & Answers