

**Highlands Ranch HOA**  
**Board Minutes for Regular Meeting**  
**1/27/2022**

**1. Call to order, roll call of directors and committee members, and quorum.**

Time: 6:02 pm at Mi Casa Tamale Restaurant

Board present: JoAnn Browne, Mary Teders, David Cerminaro, David Thackery, Joe Zimmerman, Max Martin. Quorum Present

Board absent: None

Guests present: Jimmy Junkin, Pat Hopkins

**2. Approve prior minutes of Regular and Executive Board Sessions for: Nov. 18, 2021.**

Motion: Max Martin- 2nd: Mary Teders - Vote: All for

**3. Recognize any member guests for Executive Session for confidential matters. None**

**4. Committee reports:**

**a. ACC, Gates, and welcoming-Pat Hopkins**

(1) ACC approvals:

- a. Rogers, 9510 Ranch Oaks, LED exterior lighting for existing sports court.
- b. Zimmerman, 9215 Highlands Cove, spa added to existing pool.
- c. Schonefeld, 27664 Ranch Lane, detached garage/workshop added to existing storage shed; 11-foot building setback variance granted for new shed and a previously built shed that slightly invaded the setback.

(2) Other ACC matters:

- a. Wise, 27663 Ranch Creek, posted on Facebook that they built a new outdoor kitchen. This has not received AAC approval. Eva is to send her a letter that there is no AAC approval. Pat will call DeeDee at Denton to see if approval was given in the original building plans.
- b. Plata, 9315 Highlands Cove, added more height of 18 inches to his existing ranch fence by using strands of wire and metal posts without ACC approval, neither of which the DCCR allows. Jo Ann will ask Eva to send a letter about this violation.

(3) Gate issues:

- a. 11-17-21: 27th time barrier arm broken by CPS heavy flatbed truck, cost of \$690.91; 5 arms were broken in 2021; one remaining arm kept in Pat's workshop. Eva contacted CPS; waiting on reimbursement.
- b. 9-19-21: Mattress Firm truck hit entry gate causing \$6631 of damage. Eva contacted them without any success. Now in the hands of Tom Newton to collect. Pat to follow up with Eva.
- c. Sometime in Dec. 2021: some of the concrete blocks on the new rock retaining wall across from keypad knocked loose by an unknown truck; cost of \$400 to repair by our mason.

d. Damage to the top of the gate on or about 1/22/22 cost \$860.00 to repair. Quality cannot locate the party on our cameras. Also noted, the barrier arm has a crack in it. Pat to repair.

(4) New members welcoming kits delivered:

- a. Alfredo & Maria Lozano, 9026 Highlands Cove (purchased Hassenflu's home).
- b. Edward & Jennifer Batt, 27350 Ranch Crest (purchased Seringer's home).
- c. Fredricka Dooley-Rose, 9022 Highlands Cove (purchased Hastings' home).
- d. Aijian, 27203 Ranch Creek, bought the unimproved lot next to him at 27202 Ranch Creek.

(5) Other:

- a. Pat will contact the apartment developer at our front and ask for permission to clean up around the large oak tree outside the entrance, including removing the orange construction fencing.

#### **b. Roads and Safety-David Thackrey**

(1) Board previously on 10-28-21 approved the purchase of one speed hump. Then at the 11-18-21 meeting, this was put on hold until David Thackrey could research the possibility of renting speeding equipment for three months that captures the license numbers of speeders, with a further decision to be made then. Since then, more research presented via email by David Cerminaro indicates that other HOAs have had success with the use of equipment that simply shows the speed of vehicles that is provided by Radarsign, LLC. Jo Ann & David T. requested a price quote, which is \$34,476.80 for 8 units. Don't think this includes installation. In Jimmy's email to the board on 1-7-22, he provided the final budget that included the Radarsigns (but not the speed humps or other speeding equipment) and stated that he would assume that the board approves it if no one submitted any necessary changes by 1-12-22. No one submitted any comments that resulted in changes. Therefore, this budget was included with the Annual Meeting information sent to the members on 1-18-22 (see c.(2) below). In light of some complaints about spending more money on safety, further discussion as to what to do and when to do, including waiting until after the annual meeting where it can be discussed. David T. proposed that the HOA should go ahead and purchase 4 signs with an option to put cameras on at a later date. These might be installed with the help of HOA residents; otherwise, there would be a cost for a third party to install. Motion: David Thackrey- 2nd: David Cerminaro- Vote all for.

(2) Based on conclusion above, a proposal was made to table the speed humps and the other type of speeding equipment until the radar signs are installed and data collection can be reviewed. Motion; Max Martin- 2nd: David Cerminaro- Vote all for.

(3) Discuss the status of ordering new street signs included in the 2022 budget. It was the consensus to move forward and order the signs.

#### **C. Finance and Oak Wilt- Jimmy Junkin**

(1) Prior Month's Financial Reports. Board members provided a copy, including



email from Jimmy to DAMC with questions. At 12-31-21, there were only 2 accounts past due more than 30 days. One of these has a balance of \$998 and has been sent to the attorney for collection. DAMC reported three DCCR violations (see their report for details).

(2) 2022 Budget. The Board provided input to Jimmy on the budget prior to end of 2021 and was sent a copy of the final budget on 1-7-22 asking for any further input and stating that Jimmy would assume approval if no additional input changes were made. One person responded with comments, but no changes were made. Thus, that budget was included with the information sent with the Notice of Annual Meeting on 1-18-22. Need ratification of previous budget approval. Motion: Max Martin -2nd: David Thackery. Vote: all for.

(3) Oak Wilt. Jimmy sent an email to all members recently informing them that trimming should not be done after the month of January.

**d. Beautification-Lil Rogers (report via email to Jimmy).** Deer have eaten many of the "deer resistant" new plants at the entrance. Lil will keep a watch on these and if they don't survive this Spring, she will ask for replacement approval. Also, some of the new grass looks dead and might need to be replaced this Spring. JoAnn would like to honor Lil for her work with a gift. Pat requested that members help pick up trash around the entryway when possible.

**e. Social-Max Martin.** Wine tour tabled due to covid.

**f. Newsletter-Martha Grant.** No report, but Jo Ann asked that everyone provide Martha with input the next time she requests it.

#### **6. Annual Meeting-Jo Ann.**

- a. Discussed any open items for the annual meeting. Annual meeting will take place in at Fair Oaks country club on February 19th. Sign in starts at 8:30am and the meeting starts at 9:00am. Members can also attend via Zoom.
- b. Discussed the status of sending information to members. The Notice of Annual Meeting and other documents were sent to members on 1-18-22 per the Bylaws and Critical Dates document presented at the last meeting.
- c. It was proposed that DAMC have two employees serve as the tabulators, with help from our webmaster, of votes at the annual meeting and that the online ballot for directors be changed to list candidates in alpha order. Motion: Max -2<sup>nd</sup>: David C. -All voted for.
- d. Jo Ann discussed the call list she had sent to all a few days earlier assigning each board member, Pat and Jimmy with names of members to call and ask that they please vote to make sure there is a quorum prior to Feb. 19. It was the consensus that each caller would report results to Jo Ann each week beginning Feb. 5.
- d. Ratification of "routine" actions taken by board between formal meetings (e.g., via email/Zoom). See 4.d(2) above.

#### **5. Other Business.** None.


6. If an Executive Session is necessary, recess regular meeting and go into executive meeting, if necessary, per Section 209.0051(d) of the TX Property Code, to discuss confidential items. None

7. Next meeting date and time: March 24, 2022, 6 pm at Mi Casa Tamale.

8. Adjourn meeting: 7:56pm

Respectfully Submitted,

  
JoAnn Browne, President

  
Mary K. Teders, Secretary



*8 signs*

Date: 1/6/2022

1220 Kennestone Circle  
Suite 130  
Marietta, GA 30066

PROPOSED BY:	
Name	Tanya Curtis
Phone	678-965-4814 Ext. 110
Email	tcurtis@radarsign.com

Cloud Admin:	
Phone:	
Email:	

PROPOSED TO / BILL TO:	SHIP TO:	Account
Highlands Ranch HOA	Highlands Ranch HOA	Address
		City, ST, Zip
Boerne, TX	Boerne, TX	Phone
210-265-7161	210-265-7161	Email
dthackrey@gvtc.com	dthackrey@gvtc.com	Attention
David Thackery	David Thackery	

P. O. NUMBER	TERMS				
LINE #	QTY	PART #	DESCRIPTION	PRICE EACH	TOTALS
1	8	TC-600BOX	<b>Safety in a Box Turnkey Bundle: Solar TC-600S - 13" Full Matrix Display Area</b> 13" LED superbright amber with est. 100,000 hour life, speeds readable up to 600 feet 28" w x 33" h YOUR SPEED faceplate with 4" lettering (White RS019, Y/G RS020, Orange RS021, or Yellow RS022), and Hardware kit (AA062) Two 12V 18 amp hour AGM batteries, provides up to 12 days backup operation K Band radar, meets FCC Part 15 rules, detection range up to 1200 feet "SLOW DOWN" & "TOO FAST" speeder alert messages, plus 3 levels of flashing speed Thick Aluminum Bashplate™ (provides the ultimate in vandal protection of sign) Standard timers allow up to 5 settings per day Possum Switch' allows sign to go dark for 30 minutes if assaulted with force Wi-Fi wireless transmitter, communication range up to 300 feet, No internet required	\$4,580.00	\$36,640.00
2	8	AA041	50 watt solar panel and pole mounting bracket (AA003)	Included	
3	8	AA063	Universal Pivot Pole Mount Bracket set (includes tilt feature) TC-600 only	Included	
4	8	AA073	Heavy Duty Lock for Universal Pivot Bracket (TC-600)	Included	
5	8	SL00xx	Regulatory speed limit sign 24" x 30" (please indicate MPH on PO)	Included	
6	8	AR005	Sign Extender brackets for regulatory speed limit sign	Included	
7	24	AC027	Large pole clamp set (for solar panel bracket)	Included	
8	8	RH003	12" Aluminum Pole (4.5" OD) w/square breakaway base (RH002) & pole cap (RH008)	Included	
9	8	CF001	Concrete Form (only for round aluminum poles with PELCO base) Sono-tube guide for cement base with 4 pre-mounted anchor bolts & piece of rebar	Included	
10	8	AA061	Optional simulated camera flash & white strobe	\$90.00	\$720.00
11	8	SS002	<b>Included: StreetSmart Data Collection Lifetime license (per sign) 35 charts, graphs, and tables included. Provides weekly, daily, hourly, and 1/2 hour data on # of vehicles, # of speeders, average speeds, peak speeds, 50th &amp; 85th percentile &amp; more. Extended 30 day charts included for trend analysis. No recurring fees.</b>	Included	
12	8	RW002	Two year warranty (includes parts & labor) Turnaround time to repair after receipt, 10 business days	Included	
13	8	SH600SB	Ground Shipping for TC-600BOX	\$200.00	\$1,600.00
14	0	EC091	Relay Switch (AC or DC) triggers external devices, or external device triggers radar sign	\$90.00	\$0.00
15	1	-	Multiple Sign Discount	(\$4,483.20)	(\$4,483.20)

Minimum re-stock fee: 15%

\* Quote valid for 60 days. Pricing does not include any international taxes, fees, or duties.

Sales Tax Rate:

TOTAL US\$ \$34,476.80

0.000% \$0.00

Grand Total: \$34,476.80

TOTALS

US State sales tax must be collected unless you provide a sales tax exempt form.

Authorized Signature

Print Name/Title

Date



Certified Quality System  
ISO 9001:2015



100% MUTCD Compliant  
Radar Speed Signs



Proudly Engineered &  
Manufactured in the USA

*2022 Budget*



4 Signs

**Quotation**

Date: 1/5/2022

1220 Kennestone Circle  
Suite 130  
Marietta, GA 30066

<b>PROPOSED BY:</b>	
Name	Radarsign
Phone	(678) 965-4814
Email	sales@radarsign.com

Cloud Admin:	
Phone:	
Email:	

<b>PROPOSED TO / BILL TO:</b>	<b>SHIP TO:</b>	
Highland Ranch HOA	Highland Ranch HOA	Account
		Address
		City, ST, Zip
Boerne, TX	Boerne, TX	Phone
(210) 265-7161	(210) 265-7161	Email
dthackrey@gvvc.com	dthackrey@gvvc.com	Attention
David Thackery	David Thackery	

<b>P. O. NUMBER</b>	<b>TERMS</b>	
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LINE #	QTY	PART #	DESCRIPTION	PRICE EACH	TOTALS
1	4	TC-600BOX	<b>Safety in a Box Turnkey Bundle: Solar TC-600S - 13" Full Matrix Display Area</b> 13" LED superbright amber with est. 100,000 hour life, speeds readable up to 600 feet 28" w x 33" h YOUR SPEED faceplate with 4" lettering (White RS019, Y/G RS020, Orange RS021, or Yellow RS022), and Hardware kit (AA062) Two 12V 18 amp hour AGM batteries, provides up to 12 days backup operation K Band radar, meets FCC Part 15 rules, detection range up to 1200 feet "SLOW DOWN" & "TOO FAST" speeder alert messages, plus 3 levels of flashing speed Thick Aluminum Bashplate™ (provides the ultimate in vandal protection of sign) Standard timers allow up to 5 settings per day Possum Switch' allows sign to go dark for 30 minutes if assaulted with force Wi-Fi wireless transmitter, communication range up to 300 feet, No internet required	\$4,580.00 Included Included Included Included Included Included Included	\$18,320.00
2	4	AA041	50 watt solar panel and pole mounting bracket (AA003)	Included	
3	4	AA063	Universal Pivot Pole Mount Bracket set (includes tilt feature) TC-600 only	Included	
4	4	AA073	Heavy Duty Lock for Universal Pivot Bracket (TC-600)	Included	
5	4	SL00xx	Regulatory speed limit sign 24" x 30" (please indicate MPH on PO)	Included	
6	4	AR005	Sign Extender brackets for regulatory speed limit sign	Included	
7	12	AC027	Large pole clamp set (for solar panel bracket)	Included	
8	4	RH003	12' Aluminum Pole (4.5" OD) w/square breakaway base (RH002) & pole cap (RH008)	Included	
9	4	CF001	Concrete Form (only for round aluminum poles with PELCO base) Sono-tube guide for cement base with 4 pre-mounted anchor bolts & piece of rebar	Included	
10	4	AA061	Optional simulated camera flash & white strobe	\$90.00	\$360.00
11	0	AA068	Optional Smiley face message	\$90.00	\$0.00
12	0	AA069	Optional Left/Right chevrons alert	\$90.00	\$0.00
13	0	AA070	Optional SHARP CURVE message alert	\$90.00	\$0.00
14	0	AA071	Optional FINE \$xxx alert	\$90.00	\$0.00
15	0	AA083	Optional SCHOOL ZONE message alert	\$90.00	\$0.00
16	0	AA067	Optional Date/Time Calendar Programmer: (Set operation by date for entire year)	\$90.00	\$0.00
17	4	SS002	Included: StreetSmart Data Collection Lifetime license (per sign) 35 charts, graphs, and tables included. Provides weekly, daily, hourly, and 1/2 hour data on # of vehicles, # of speeders, average speeds, peak speeds, 50th & 85th percentile & more. Extended 30 day charts included for trend analysis. No recurring fees.	Included	
18	4	RW002	Two year warranty (includes parts & labor) Turnaround time to repair after receipt, 10 business days	Included	
19	4	SH600SB	Ground Shipping for TC-600BOX	\$200.00	\$800.00
20	1	-	Customer Discount	(\$1,868.00)	(\$1,868.00)

Minimum re-stock fee: 15%

\* Quote valid for 60 days. Pricing does not include any international taxes, fees, or duties.

Sales Tax Rate: 0.000%

TOTAL US\$ \$17,612.00

Grand Total: \$17,612.00

TOTALS

US State sales tax must be collected unless you provide a sales tax exempt form.

17612  
35224

Authorized Signature

Print Name/Title

Date



Certified Quality System  
ISO 9001:2015



100% MUTCD Compliant  
Radar Speed Signs



Proudly Engineered &  
Manufactured in the USA





## What Sets Radarsign Apart

**#1. CUSTOMER SERVICE** - We believe in available and reliable customer service. When you have questions or need technical support, you will speak with a real person. And, unlike some of our competitors, Radarsign has never declined to repair a sign just because it was an older model. Additionally, our website has Customer Resource Center with software downloads, installation and operation manuals, a troubleshooting guide, repair/upgrade information and forms, product sheets, spec sheets, videos and more.  
<https://www.radarsign.com/customer-resource-center/>

**#2. All Radarsign models are Wi-Fi enabled** with a communication range of up to 300 feet, providing a direct connection between our sign and most web enabled devices (Android and iOS | Windows and Apple); Allows for quick and easy sign operation and data download.

Some competitor signs are equipped with Bluetooth. Bluetooth is an older technology that requires software or an app to communicate with the sign, has a typical range of only 30 feet, is 10x slower than Wi-Fi, and is not always compatible with Apple products.

**#3. Our Streetsmart Traffic Data Collection and Reporting software is a LIFETIME license per sign, with a ONE-time charge of \$275 with NO recurring fee.** Some of our competitors charge an annual fee for their data collection. With their software, you will pay thousands more for data collection and reporting for each sign that you own.

**#4. All Radarsign models have a protective aluminum Bashplate™ with integrated LED reflector cones and a polycarbonate shield to protect the LEDs and the internal components of the sign from abuse or vandalism.** Our signs can be hit with a baseball bat or metal rod without damaging the LEDs or causing any internal damage to the sign.

With some of our competitors signs you can place your fingertips directly on a "contact lens" style cover for each individual LED light. "Contact lens" LEDs are exposed with no protection from abuse, vandalism, or the weather. If a rock or large object were to damage a single LED cover, that becomes a single point of entry for water to penetrate and do damage to the sign. There are hundreds of points of failure in this design.

**#5. We have the most vandal resistant design in the industry that can even stop bullets.** Would you rather pay just a few hundred dollars to repair a sign that stopped a bullet vs. having to completely replace a sign because a bullet went through the LED board and CPU board?

**#6. We are the only company that has a 'possum mode' security feature that is activated when someone tries to vandalize the sign.** The "Possum Switch" activation feature allows the sign to "play dead" if attacked with force making the sign appear as though it is no longer functioning. The sign automatically begins normal operation after 30 minutes.

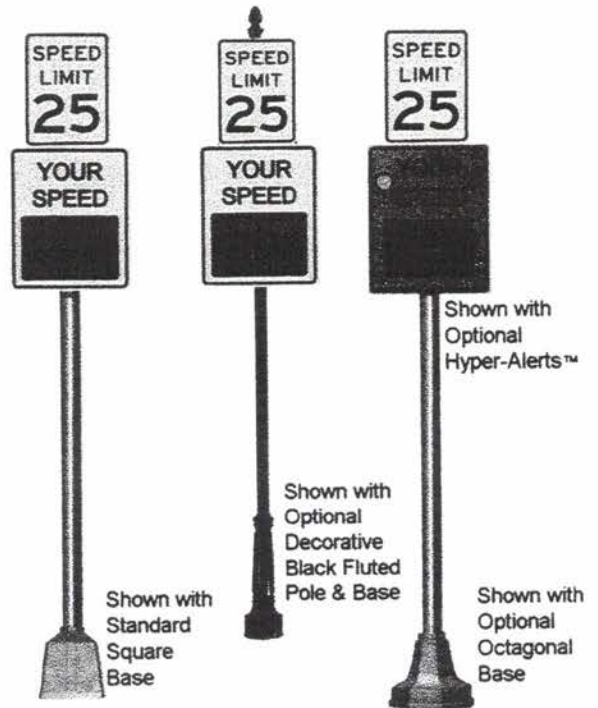
**#7. Our signs are proudly engineered and manufactured in the USA.** If for any reason your sign needs to be serviced or sent back to us for repair, all repairs will be done at our corporate headquarters in Marietta GA, not shipped out of the country for repair.

**#8. QUALITY-** Designed for long life use, all our signs have aluminum housings, not plastic. **Radarsign is THE industry leader in manufacturing the highest quality radar speed signs on the market today.** Our signs are vandal, weather, and bullet resistant, and are simple to operate. The first sign Radarsign ever sold was to Michelin in Anderson, South Carolina in 2004. That same sign is still on site at Michelin and is still working today, **almost two decades later.**

**#9. The combination of customer service and high-quality products at a fair price** has resulted in over one-third of all our sales coming as repeat business each year from satisfied customers.

## Safety In A Box

Radarsign's Safety in a Box is a all inclusive sign package with everything needed for installation except the shovel and concrete. All that is required is digging a hole, pouring the concrete, and installing the sign. It's that easy.



### Safety in a Box Package includes:

- > TC-600 radar speed sign solar model with 13" full matrix LED display (AC power model optional)
- > 28"W x 33"H YOUR SPEED faceplate with 4" high lettering; available in white, fluorescent yellow/green, and safety orange
- > Two 12V 18 amp hour AGM batteries
- > 3/8" aluminum Bashplate© provides maximum vandal resistance
- > 50 watt solar panel with mounting bracket (75 watt optional)
- > Regulatory speed limit sign (24"W" x 30"H) & sign extender bracket set; Choose from 10, 15, 20, 25, 30 or 35 MPH
- > Universal pivot pole mount bracket set
- > Heavy duty lock for Universal pivot bracket
- > 12 ft. aluminum pole with square breakaway base and pole cap (crash test certified); Optional black decorative pole is available.
- > Concrete form for the pole base; includes mounted anchor bolts and rebar (aluminum pole only)
- > Wi-Fi enabled: No internet required. Manage your radar speed sign with phone, tablet, or laptop. WPA2 encrypted security; Password protected.
- > StreetSmart traffic data reporting software license
- > 2 year warranty on parts and labor, including batteries



Certified Quality System  
ISO 9001:2015



MUTCD Compliant  
Radar Speed Signs



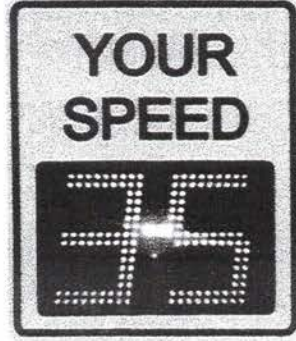
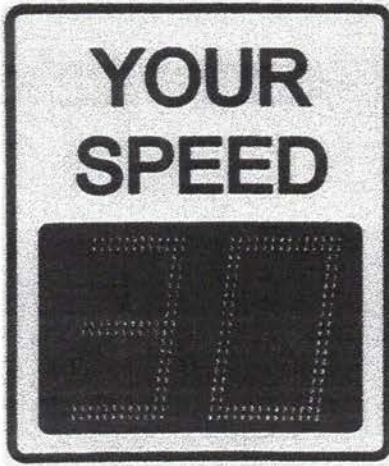
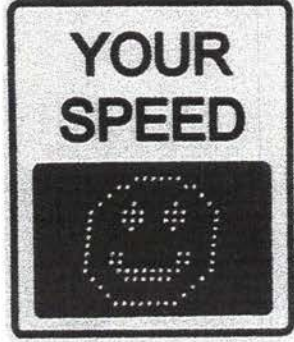
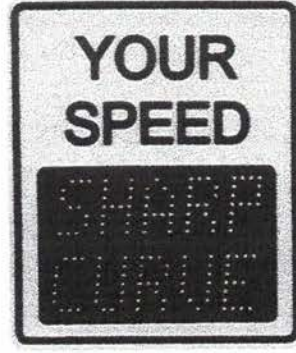
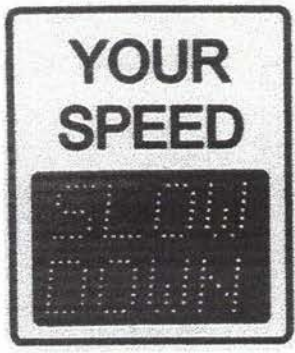
Proudly Engineered &  
Manufactured in the USA



One Sign...  
Multiple Applications



**TC-600 Full Matrix Radar Speed Sign**  
*Your Traffic Calming POWER Tool*





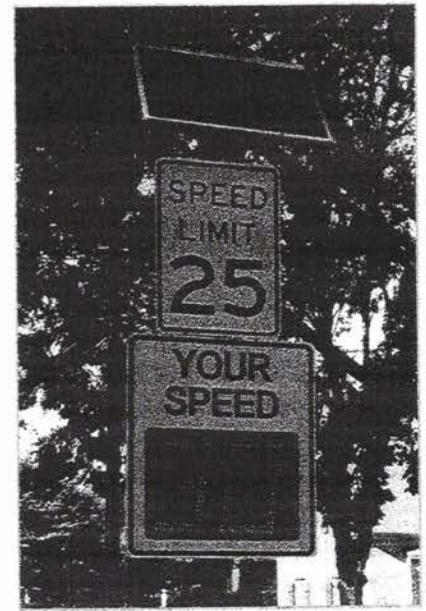
## Display and Radar Specifications

### **YOUR SPEED Faceplate**

- 28"W x 33"H YOUR SPEED faceplate with 4" high lettering  
(Optional oversized 30"W x 36"H available)
- Ideal for roads with traffic speeds of 5-70 mph
- MUTCD compliant colors and reflectivity
- Available in white, fluorescent yellow/green, safety orange, and yellow

### **Speed Violator Alerts**

- Standard alerts include: Speed display | SLOW DOWN | TOO FAST
- **Optional** alert choices: SHARP CURVE | chevrons (right or left facing) | smiley face | fine alert | alternating red/blue alert, all red alert, all blue alert, or white alert (can flash as a strobe, or simulate a camera flash)
- Speed display flash rates: MUTCD flash (approx. 55-60 fpm), Slow flash (approx. 100 fpm), Fast flash of actual speed (approx. 140 fpm)
- Display speed and word message alerts alternately or individually, based on speed settings



### **LEDs**

- 2 digits (3 digits up to 185 KPH), 13" high super bright amber full matrix LEDs (life up to 100,000 hours)
- Laser cut flat black mask enhances visibility of LED display when illuminated, and ensures completely dark display when LEDs are off
- Easily readable speed digits up to 650 feet
- Display brightness control: Automatic intensity adjustment to ambient light conditions

### **Radar**

- Type: K Band, single direction Doppler radar, FCC part 15 compliant; no license required
- Sensor Range: Detects vehicles up to 1200 feet
- Beam Width: 12 degrees, +/- 2 degrees
- Operating Frequency: 24.125 GHz, +/- 50 MHz
- Accuracy: +/- 1.0 mph
- Speed Detection Range: 5 - 127 mph

## Power Options / Battery Specifications

### **TC-600S (Solar Powered)**

- Operates 24/7 with solar power supply
- Solar Panel Output: 50 watt standard; 75 watt optional
- Power Supply: Two 12-volt, 18 amp/hour AGM batteries (UL recognized); provides up to 14 days of back-up operation on fully charged batteries
- Solar Charger: Fully integrated charge controller with continuous monitoring and data logging of solar output and battery charge status. Charger and battery characteristics matched to operate over the sign's operating temperature range.
- Low battery cut-off feature provides intelligent battery management
- Battery Status: Check battery charge levels and solar amperage via Wi-Fi
- Power Consumption: < 2.0 amps in active mode; Idle mode < 1/2 watt
- Circuit Breaker: Multi-circuit, 3x10 amp fuses
- Pole Mount Solar Bracket: Side of pole mount with adjustable angle bracket

### **TC-600A (AC Powered)**

- Operates 24/7 with AC power supply
- Power Supply: Hard wire to 100V-240V power supply
- Power Consumption: < 2.0 amps in active mode; Idle mode < 1/2 watt
- Circuit Breaker: Multi-circuit, 10 amp fuse



## Electronics

- All power inputs are fused and reverse polarity protected
- All circuit boards are conformally coated for extra protection
- Sign has automatic reset and watch-dog circuitry to return to normal operation without user intervention



## Housing Specifications

### **Radar Speed Sign Housing**

- Dimensions: 18.5"H x 26.25" W x 5.0"D
- Thickness: .1875" to .25" thick, heavy-duty aluminum
- NEMA 4 level compliant
- Humidity Maximum: 100%
- Non-sealed and ventilated
- Provides maximum protection from the elements and vandalism
- Seamless construction with no welding
- Single-piece cast aluminum housing design means no separate battery box to mount

### **Bashplate™ with Integrated LED Reflectors**

- Internal .375" aluminum shield over LED display to protect components from abuse or vandalism
- Directional beam technology: Individual holes for each LED focus and reflect light toward the road, providing the highest quality viewable display with minimum energy usage

### **Polycarbonate Display Cover**

- .25" thick protective sheet covers entire display area
- Abrasion, graffiti and shatter resistant; UV protection

### **Weight**

- TC-600S (Solar Powered): 41 lbs., (67 lbs. with batteries)
- TC-600A (AC Powered): 41 lbs.

### **Operating Temperature**

- Operating Temperature: -40°F to +160°F

### **Standard Features**

#### **Standard Programming**

- Setup functions: Easy to follow menu, no mechanical switches to operate
- Daily timers: Allow 4 on/off timer settings per day, also by day of week. Settings allow lower speed limits for school zone times and for late night display shutoff. (Optional Advanced Scheduler available with all models)
- Stealth mode: Display on-off feature allows traffic data collection continue even when the display is off
- "Possum Switch" activation feature allows the sign to "play dead" for 30 minutes if attacked with force
- Maximum speed cutoff: Prevents unwanted high speed displays; up to 99 mph; discourages "racing" of sign. Choice of flashing matrix, or LED display cutoff.

#### **Wi-Fi Enabled**

- No internet required. Manage your radar speed sign with phone, tablet, or laptop.
- Allows for quick and easy sign operation/data download from most web enabled devices
- WPA2 encrypted security; Password protection
- Connection range up to 300 feet from sign

#### **OTA Software Updates (over-the-air)**

- Allows the wireless delivery of software updates and upgrades directly to the radar speed sign

### **Warranty**

- 2 year warranty on parts and labor, including batteries. Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification. Optional third year warranty extension available.

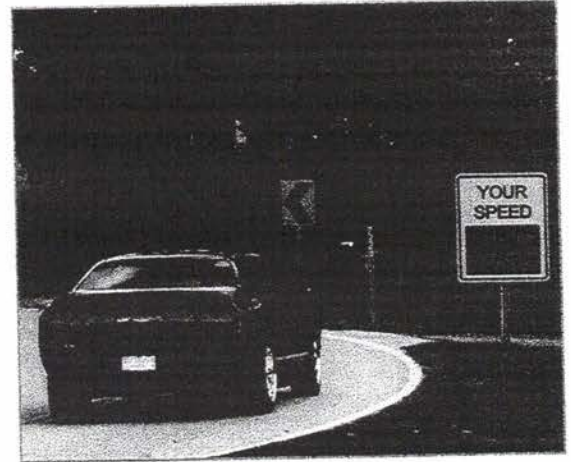
### **Traffic Data Reporting Option**

#### **StreetSmart (optional)**

- Traffic data reporting software to report, organize and analyze speed and traffic data. The information collected by the radar speed sign is loaded into Excel™ ready .csv files, and can generate 35 charts and graphs.

#### **Traffic Data Storage Capacity:**

- Stores data on up to 5 million vehicles; Retains data for retrieval for 12 months.



# Hyper-Alerts™

## Compact Flash Technology

Hyper-Alerts™ are compact clusters of LED lights built right into the "YOUR SPEED" faceplate of the TC-600 model, delivering a significantly more compact solution than traditional beacons. By clustering the LEDs into a smaller footprint, the same light from a typical flasher becomes an urgent notification for the driver.

### Application

Perfect for use in pedestrian-heavy environments such as school zones, business campuses, military bases and anywhere else there is an urgency to slow drivers.

### Raised Awareness

The LED clusters deliver the same luminescence as a 12" beacon, only in a more compact surface. This results in an "impossible to ignore alert" even 1000 feet from the sign.

### Cost Effective

Instead of having to choose between either flashing beacons or a radar speed sign, now you can have both alerts for slightly more than the price of either one. The LED clusters are built right into the oversized (30"W x 36"H) YOUR SPEED faceplate resulting in a more compact system that is far easier to install. This upgrade offers a cost-effective solution to provide the maximum traffic calming effect on speeding drivers.

### Design

- Industrial construction with sleek design is in stark contrast to the individual, bulky, piece-meal look of traditional beacons
- Dual high-intensity amber LED clusters
- Meets ITE guidelines for brightness use in school zones
- LED luminosity: 3000 mcd minimum – 12000 mcd maximum
- 68 LEDs per alert, highly viewable at 1000 feet
- Flash patterns: MUTCD standard 60 fpm, Wig-Wag (alternating); Custom patterns available

### Scheduling Flexibility

- Programmable for an entire year in advance, by date and time, using our Advanced Scheduler
- Hyper-Alerts™ can be activated based on time of day, by speed, or by both

### Solar Power Output with Hyper-Alert™ Option

- 50 watt solar panel for maximum 4 hour daily operation
- 75 watt for maximum 10 hour daily operation
- 90 watt for 24/7 operation
- 120 watt for high volume traffic and cold temperatures

### Weight

- TC-600S with Hyper-Alerts™: 47 lbs., (73 w/ batteries)
- TC-600A (AC Powered) with Hyper-Alerts™: 47 lbs.

*The Hyper-Alert™ option is available on a new TC-600 sign, or as a retrofit of an existing sign; Existing sign must be returned to Radarsign for the retrofit.*

