



9/15/2023

## **To Jefferson Parish:**

Radarsign believes its response to Bid# 50-00143363 (Radar Speed Signs) meets and exceeds all the requirements in the RFP.

1. The TC-800 is a solar powered sign with a 15" LED display. The sign is built to last; it's made of a heavy-duty aluminum housing and a bullet-resistant bash plate to protect the internal components. It is readable up to 800 feet.
2. The sign has a possum switch where it will "play dead" when vandalized.
3. Radarsign is offering a three-year warranty on the sign and accessories, as well as a two-year warranty on the batteries.
4. You will receive an 80-watt solar panel.
5. The sign comes with the message alerts SLOW DOWN/TOO FAST and can collect traffic data.
6. You connect and program the sign using Wi-Fi, which is faster and has a longer range than Bluetooth. You do not need an App, internet or cell service.
7. The sign meets MUTCD standards, and the company is ISO certified.
8. The 12' pole comes with a breakaway base and kit to install the pole, all of which meet Federal Highway Standards.
9. The company is headquartered in Marietta, GA. All our tech support and engineers are available to handle all questions.

Radarsign looks forward to partnering with Jefferson Township

Paul Kenney

Account Manager

Radarsign, LLC

DATE: 9/12/2023

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 5

BID NO.: 50-00143363

**JEFFERSON PARISH**

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETN, LA. 70054-0009  
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

PURCHASING SPECIALIST:  
SFOLSE

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

4-5 weeks

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: 1 PK

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

<b>*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***</b>	
FIRM NAME: <u>Radarsign, LLC</u>	
SIGNATURE: (Must be signed here) <u>Paul Kenney</u>	TITLE: <u>Account Manager</u>
PRINT OR TYPE NAME: <u>Paul Kenney</u>	
ADDRESS: <u>1220 Kennestone Circle Suite 130</u>	
CITY, STATE: <u>Maricotta GA</u>	ZIP: <u>30066</u>
TELEPHONE: <u>( ) 404-403-9826</u>	FAX: <u>( ) 678-278-1256</u>
EMAIL ADDRESS: <u>pkenney@radarsign.com</u>	

TOTAL PRICE OF ALL BID ITEMS: \$ 9,430

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00143363

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			THE PURCHASE OF RADAR SPEED SIGNS WITH ACCESSORIES FOR THE JEFFERSON PARISH DEPARTMENT OF TRAFFIC ENGINEERING		
1	2.00	EA	0010 RADAR SPEED SIGN	\$ 4,440	\$ 8,880
			Q1500 FULL MATRIX RADAR SPEED SIGN YELLOW		
			ITEM # M75-15DFB-U004		
2	2.00	EA	0020 SOLAR PANELS	\$ 0	\$ 0
			<del>80W</del> 80W SOLAR KIT WITH UPGRADE, INCLUDING <del>80W</del> SOLAR PANEL, 70AH BATTERY, BATTERY BOX, WIRING/CONDUIT		
			ITEM # M75-SLR70-000S		
3	2.00	EA	0030 POLES	\$ 0	\$ 0
			PED POLE 12'X 4" 8NPT SCH 40 SPUN ALUM		
			ITEM # 029-05552-000D		
4	2.00	EA	0040 POLE CAPS	\$ 0	\$ 0
			PELCO 4.5" POLE CAPS		
			ITEM # 029-05055-000D		
5	1.00	ONLY	0050 FREIGHT CHARGE	\$ 275	\$ 550
			SEE ATTACHED SPECS		
			TO BE DELIVERED TO: 2100 DICKORY AVE. HARAHAN, LA 70123		

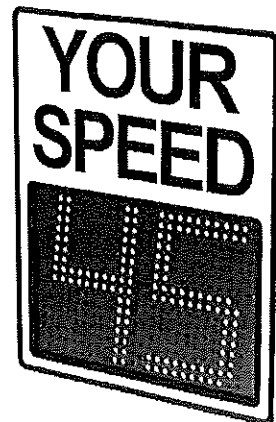
## TC-800 Full Matrix Radar Speed Sign Specification Sheet

### LED Display

- 15" tall speed display numbers | 2 or 3 digit capable | Speed digits easily readable up to 800 ft.
- Ideal for roads with traffic speeds of 35-80 mph
- Super bright amber LEDs in full matrix design | Life up to 100,000 hours
- Laser cut flat black mask enhances visibility of LED display when illuminated | Ensures completely dark display when LEDs are off
- Display brightness fully automatic or user adjustable

### Speed Violator Alerts

- Standard alerts: SPEED (3 flash rate options) | Enhanced font | SLOW DOWN | TOO FAST
- Display speed and word message alerts, alternately or individually, based on speed settings
- Speed display flash rates: MUTCD flash (approx. 55-60 fpm) | slow flash (approx. 90 fpm) | fast flash (approx. 140 fpm)
- *Optional message alerts:* SHARP CURVE | Right or left facing chevrons | SCHOOL ZONE | Smiley face | FINE \$\$\$ (*Custom alert*) | Custom Message Alert available on request - Not available with cellular signs
- *Optional strobe alerts:* red strobe alert | blue strobe alert | alternating red/blue strobe alert (police flash) | white strobe alert (can simulate a camera flash)



### YOUR SPEED Faceplate

- 30"W x 36"H YOUR SPEED faceplate with 6" high lettering
- Available in white | yellow | fluorescent yellow/green | safety orange

### 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 | 8-198kph

### 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

### TC-800 Solar Power

- Operates 24/7 with solar power supply
- Power Supply: Two 12-volt, 18 amp/hour AGM batteries- 1 Smart battery with Wi-Fi and cellular connectivity, 1 standard battery (UL recognized) | Provides up to 14 days of back-up operation on fully charged batteries
- Power consumption: < 2.0 amps (24w) at maximum display intensity
- Idle mode: < 1/2 watt
- Battery status: Check battery charge levels and solar amperage via Wi-Fi or cellular
- Low battery cut-off feature provides intelligent battery management
- Solar panel output: Standard panel 50 watt | Optional upgrade 80 watt panel
- Solar charger: Fully integrated charge controller provides continuous monitoring and data logging of solar output/battery charge status
- Charger and battery characteristics matched to operate within the sign's operating temperature range

### TC-800 AC Power

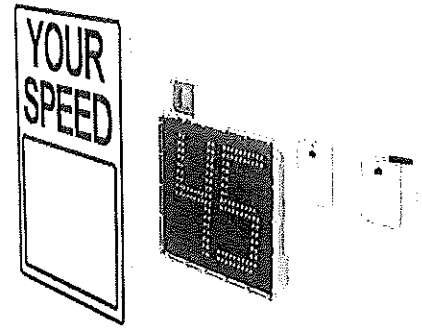
- Operates 24/7 with AC power supply
  - Power supply: Hard wire to 100 VAC-240 VAC
  - Power consumption: < 2.0 amp (24w) at maximum display intensity
  - Idle mode: < 1/2 watt
  - Circuit breaker: Multi-circuit, 10 amp fuse
- 
- Battery backup in the event of power outage
  - Battery Power Supply: One 12-volt, 18 amp/hour AGM battery (UL recognized) | Provides up to 7 days of back-up operation on fully charged batteries
  - Battery status: Check battery charge levels and solar amperage via Wi-Fi or cellular
  - Low battery cut-off feature provides intelligent battery management
  - Charger and battery characteristics matched to operate within the sign's operating temperature range

### Weights and Operating Temperature

- TC-800 solar power radar sign: Sign housing only - 49 lbs. | Sign housing with batteries attached - 83 lbs.
- TC-800 AC power radar sign: Sign housing only - 49 lbs. | Sign housing with battery & AC accessory housing attached - 71 lbs.
- Operating temperature: -40°F to +160°F

### **Radar Speed Sign Housing**

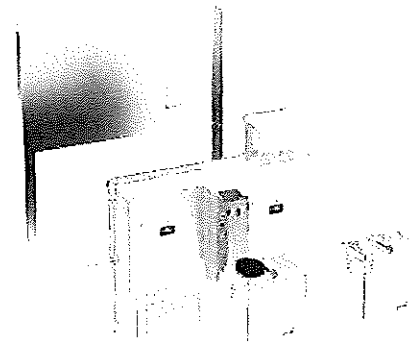
- Dimensions: 20.75"H x 30"W x 3.62"D
- Thickness: .1875" to .25" thick, heavy-duty aluminum
- IP65 compliant | NEMA 4 level compliant
- Humidity Maximum: 100% | Non-sealed and ventilated
- Provides maximum protection from the elements and vandalism
- Single piece cast aluminum housing design | Seamless construction with no welding
- External mounted battery/AC accessory housings allows for easy installation and replacement of batteries when needed
- Battery housing dimensions: 9"H x 8.3"W x 4"D
- Pivot mounting bracket included. The sign housing bracket is built directly into the radar speed sign housing so only the pole bracket requires installation.



### **Standard Features on ALL Radarsign Brand Models**

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

- Heavy duty aluminum plate over LED display to protect components from abuse or vandalism
- Directional beam technology, Radarsign's proprietary design, includes custom reflectors around each LED, magnifying the intensity of the light and providing the highest quality viewable display with minimum energy usage



#### **Polycarbonate Display Cover**

- .25" thick (6mm) protective shield covers entire display area
- Abrasion, graffiti and shatter resistant | Provides UV protection

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

- Radar speed sign emits it's own Wi-Fi signal | No internet required | Manage sign with smart phone, tablet, or laptop
- Connection range up to 300 feet from sign
- Allows for quick and easy sign operation and data download from most web enabled devices
- Speed is 10x faster and has 10x the range of Bluetooth
- WPA2 encrypted security | Unique password protected
- OTA software updates (over-the-air) allow wireless delivery of software updates and upgrades directly to the radar sign

#### **Standard Programming**

- Setup functions: Easy to follow digital menu | No mechanical switches to operate
- Daily timers: Allow 5 on/off timer settings per day (4 timers plus the standard setting), also by day of week | Settings allow for lower speed limits for school zone times
- Stealth mode: Display on/off feature allows traffic data collection to continue even when the display is off
- Possum Switch™: Vandalism discouraging feature allows the sign to "play dead" for 30 minutes if attacked with blunt force
- Maximum speed cutoff: Feature prevents "racing" of sign at high speeds | Choice of dashes or LED display cutoff

#### **Warranty**

- 2 year warranty on parts and labor, including batteries | *Exceptions:* Does not cover malicious abuse, theft, or damage due to unauthorized modification

### **Optional Scheduling and Data Reporting Features**

#### **Cloud Service (3-month trial included at no charge)**

Built in cellular modem is cloud accessible from anywhere internet is available | Allows remote management of sign settings for entire network of signs | Uploads daily traffic statistics to Radarsign Cloud server (*requires the purchase of Streetsmart data license*) | Provides alerts if batteries run low, or connection is interrupted.

#### **Advanced Scheduler**

Date driven program allows pre-programming multiple years and multiple schedules for your radar speed signs | Especially useful for school zone scheduling or in areas where events occur on a regular basis.

#### **Streetsmart Traffic Data Collection & Reporting Software**

Lifetime license | One time charge | No recurring fees | Licensed per sign | Download, report, organize, and analyze speed and traffic data recorded by the radar speed sign | Generate 35 charts and graphs with Excel™ macro | Traffic Data Storage Capacity: Stores data on 5 million vehicles | Retains data for 12 months in sign before writing over oldest data first.



Certified Quality System  
ISO 9001:2015



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.**

# Request for Taxpayer Identification Number and Certification

Give Form to the  
requester. Do not  
send to the IRS.

► Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Print or type.  
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Radarsign, LLC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC

☐ C Corporation

☐ S Corporation

☐ Partnership

☐ Trust/estate

☒ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► S

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ►

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) \_\_\_\_\_

Exemption from FATCA reporting code (if any) \_\_\_\_\_

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

1220 Kennestone Circle STE 130

6 City, state, and ZIP code

Marietta, GA 30066

Requester's name and address (optional)

7 List account number(s) here (optional)

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

\_\_\_\_ - \_\_\_\_ - \_\_\_\_

or

Employer identification number

2 0 - 0 8 7 0 7 9 1

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign  
Here

Signature of  
U.S. person ►

Date ►

1-11-2023

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (Interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding*, later.