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## Header 3

## General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 365720

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0926

Vendor ID: 000000218885



SO Doc ID: PSC1800000002

Legal Name: MPH INDUSTRIES INC

Published Date: 9/6/17

Alias/DBA:

Close Date: 9/12/17

Total Bid: \$84,261.00

Close Time: 13:30

Response Date: 09/05/2017



Status: Closed

Response Time: 15:16

Solicitation Description: Addendum No.1 Traffic Safety Speed Detection Radars



Total of Header Attachments: 3

Total of All Attachments: 3



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 365720

**Solicitation Description :** Addendum No.1 Traffic Safety Speed Detection Radars

**Proc Type :** Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2017-09-12 13:30:00	SR 0926 ESR09051700000000858	1

<b>VENDOR</b>
000000218885 MPH INDUSTRIES INC

**Solicitation Number:** CRFQ 0926 PSC1800000002

**Total Bid :** \$84,261.00      **Response Date:** 2017-09-05      **Response Time:** 15:16:30

**Comments:** Offering alternate brands/models to the ones specified in the bid, as allowed in the bid documents.

**FOR INFORMATION CONTACT THE BUYER**  
 Melissa Pettrey  
 (304) 558-0094  
 melissa.k.pettrey@wv.gov

<b>Signature on File</b>	<b>FEIN #</b>	<b>DATE</b>
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Thirty-nine new speed detection radars. Contract Item 3.1.1	39.00000	EA	\$1,899.000000	\$74,061.00

Comm Code	Manufacturer	Specification	Model #
49211810			

<b>Extended Description :</b>	Contract Item 3.1.1 Thirty-nine, new, Kustom Signals Directional Golden Eagle II, or equal, Speed Detection Radars.
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**Comments:** Model offered: MPH BEE III with two Ka-band antennas.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Four new speed detection lasers. Contract Item 3.1.2	4.00000	EA	\$2,550.000000	\$10,200.00

Comm Code	Manufacturer	Specification	Model #
49211810			

<b>Extended Description :</b>	Contract Item 3.1.2 Four, new, Kustom Signals ProLaser IV, or equal, Laser Speed Detection Device. Hand held
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**Comments:** Model offered: MPH Sure Shot laser

# MPH Radar

## BEE III™ Moving Radar System with Automatic Same Direction™ Technology

BEE III is the most compact radar available. It has the smallest detachable display, while retaining larger multi-colored windows. BEE III also has the smallest antenna, and it is waterproof. Both pieces can be mounted anywhere in the patrol vehicle.

BEE III is equipped with patented Automatic Same Direction (ASD™) technology, allowing the versatility of same direction operation without a confusing faster/slower button. The BEE III calculates the speed automatically. In stationary mode, ASD allows you to select a lane of traffic to measure while completely ignoring the other lane.



### Features

### Benefits

- Automatic Same Direction (ASD) mode.** . . . . . *Patented technology eliminates the faster/slower button, freeing up both hands for driving. Measures same direction traffic with computer controlled accuracy.*
- Directional stationary mode** . . . . . *Catch a speeder moving in a chosen direction even if there's a closer vehicle moving in the opposite direction.*
- Fastest target mode** . . . . . *No more hiding in a semi's shadow.*
- POP™ technology** . . . . . *Patent-pending technology can measure traffic speeds without setting off radar detectors.*
- Tiny display with easy-to-read LED displays.** . . . . . *Detachable display unit is small enough to mount anywhere in the vehicle, but has speed windows that are easily distinguished by size, location, and color.*
- Ergonomic wireless remote control.** . . . . . *Each major function has a uniquely-contoured switch, so the radar can be operated without having to look at the remote.*
- Black equipment housings** . . . . . *Radar blends into the vehicle's interior until you're ready to use it. All-black, waterproof antenna housing makes covert operation easy.*
- Digital signal processing** . . . . . *Reliable, jammer-proof, and maintenance free.*

**The Company:** MPH Industries, Inc. specializes in velocity measurement. Formed in 1975, MPH is one of the largest suppliers of Doppler radars to Law Enforcement worldwide. MPH also serves the highway and rail transportation industries, education and sports. MPH Industries is a subsidiary of MPD, Inc., a manufacturer of aerospace components and subsystems, electronic components and breath alcohol analyzers.



# BEE III™ Directional Traffic Radar

**Description:** A multi-piece radar with detachable display unit and wireless remote control. The ergonomic design of the remote control ensures comfort, even after hours of use. Each major control function has its own uniquely-contoured switch, so the operator never needs to take his eyes off the road to look at the controls. All minor functions are controlled using unobtrusive, secondary switches on the remote. Unique features include the multi-color display, green for patrol, red for target, and yellow for the lock/fastest window. Same and opposite direction speed-sensing, moving and stationary modes, fastest and strongest target are all included. Automatic Same Direction™ (ASD™) makes same direction operation simple and removes potential judgment errors. POP feature permits speed measurements without alerting radar detectors.

## Special Features

- BEE III is the most compact radar available. It has the smallest detachable display, while retaining large multi-colored speed windows. BEE III has the smallest conical Ka-band antenna available, which is also weatherproof. The display and antenna can mount anywhere in any patrol vehicle.
- Patented Automatic Same Direction technology gives you the versatility of same direction operation without a confusing faster/slower button. The BEE III decides whether the target is approaching or receding with 100% accuracy.
- In stationary mode, ASD allows you to select a lane and only measure the targets traveling in that lane, while completely ignoring the traffic in the other lane. Or let the radar measure both lanes and tell you the direction the target is traveling.
- POP™ mode (patent pending) allows the operator to measure the speed of potential violators in stationary mode without setting off a single radar detector.
- Selectable City and Highway modes help minimize shadowing and combining.
- The high-power wireless remote control eliminates a cable while ensuring that the operator doesn't have to point the remote control at the radar. Wired remote optional.
- The reliability and accuracy of the BEE III are guaranteed by MPH Industries, serving law enforcement with products like the Python and K-55 for over twenty-five years.
- BEE III contains the following functions and controls:

Power	Range Control	Antenna Select
Test	Stationary Mode	Volume Control
Squelch	Patrol Blanking	Antenna Standby
Error Detect	Same/Opposite Direction	Lock/Release
RS-232 Communication Port		Fastest Mode

## General Specifications

Power:	10.8 to 16.5 Volts DC, 0.9 Amps @ 13.6 V nominal. Fused power cable. Reverse polarity protection.
Speed Range:	
Stationary:	
Target:	15 to 200 mph
Opposite direction moving:	
Patrol:	12 to 80 mph in City mode, 20 to 80 mph (will track to 90 mph) in Highway mode
Target:	15 mph to 200 mph closing speed
Same direction moving:	
Patrol:	12 to 80 mph in City mode, 20 to 80 mph (will track to 90 mph) in Highway mode ± 70% of patrol speed (will not measure speeds within 3 mph of patrol speed)
Target:	± 70% of patrol speed (will not measure speeds within 3 mph of patrol speed)
Target Distance:	One mile range typical for an average size vehicle. Range varies with vehicle size, terrain, weather, and traffic conditions. (Range is lower in same direction mode.)
Speed Display:	Three LED windows simultaneously display patrol, target, and locked or fastest target speeds. Display brightness automatically adjusts to the ambient light level.
Display Unit Size:	1 1/2 in. high, 5 in. wide, 2 3/4 in. deep.
Antenna:	
Frequency:	33.8GHz ± 100 MHz (Ka-band)
Type:	Circularly polarized, with seamless conical horn and Rexolite microwave lens.
Enclosure:	All-aluminum housing with a waterproof polycarbonate radome cover incorporating O-ring seals.
Source:	Solid state Gunn-effect diode transmitter with a nominal output power level of 12 to 30 mW.
Power Density:	Radiated power is less than 2 mW/cm <sup>2</sup> at 5 cm. distance from the antenna.
Mixer Diode:	Schottky barrier type related for 100 mW burnout.



**MPH Industries, Inc.**

**316 E. Ninth Street  
Owensboro, KY 42303**

**Phone: (888) 689-9222  
Fax: (270) 685-6288**





*"You're On Our Radar"*

# SURE SHOT™ Hand-held Laser Gun

POLICE RADAR • POLICE LASERS • SURVEY LASERS • SPEED SIGNS

The **SURE SHOT™** LIDAR gun was designed and built for the rigorous needs of the traffic enforcement officer by providing superior target acquisition time, target range and accuracy.

**Simpler user interface:** SURE SHOT is the only LIDAR in the industry to utilize an intuitive, back-lit touch screen menu. The touch screen is easy to view in all light conditions and operable with gloved hands. When in shooting mode, the large screen and heads-up display provide easy-to-read numerals for less eye fatigue.

**Built rugged for the demands of the job:** SURE SHOT features a rugged anodized aluminum housing with molded rubber bumpers on each end to protect the unit against most unintended bumps and drops commonly experienced in real-world traffic enforcement use.

**Superior ergonomics :** You'll immediately notice how easy it is to aim and hold the LIDAR in the firing position. The forward swept handle with 1911-style rubberized finger-grooved grips reduces wrist tension and allows for better balance and more comfortable use. The SURE SHOT is a truly ambidextrous instrument with all menu functions in one location, facing the user. The over/under lens configuration allows the user to keep both eyes open for faster target acquisition and better peripheral vision for operator safety.



## Features

## Benefits

**Touch-screen menu controls**

Intuitive, easy-to-use menu allows for ambidextrous operation, even while wearing gloves

**Durable aluminum housing with protective rubber bumpers**

Protects internals for longer service life and fewer repairs

**Multiple power options**

Easier and less expensive to power with AA alkaline batteries, rechargeable AA batteries or built-in USB to 12VDC connector

**High-capacity internal memory**

Save data on up to 500 shots. Download data via built-in USB port

**Following Too Close (FTC) mode**

Get accurate results of FTC violations in either time or speed as needed in your jurisdiction.

**Forward swept handle with rubberized 1911 grips**

Allows for natural aiming stance with less wrist fatigue. Add the optional shoulder stock and shoot all day in comfort

**Warranty**

Two-year (parts & labor) warranty

### Specifications

- Dimensions: 11.5 in. H x 6.75 in. L x 2.82 in. W
- Housing material: Anodized aluminum
- HUD cover material: Anodized aluminum
- HUD display: Multi-line display with 4 user-selectable aiming sights
- Handle material: High impact ABS plastic
- Lens material: High-quality coated glass optics
- Internal optics housing: Cast aluminum
- Power: 4 AA alkaline batteries or 4 AA rechargeable batteries or USB to 12VDC power adapter
- Rear panel display: Backlit LCD touchscreen
- Screen Dimensions: 2.7 in. diagonal (400 x 240 pixels)
- Acquisition time: 0.3 seconds
- Range: 10 ft. to 8,000 ft.
- Range accuracy: ± 6"
- Speed range: 10 to 200 mph
- Speed accuracy: ± 1 mph
- Operating temperature: -22 to 140°F
- Operating modes: Obstruction/Weather
- Eye safety: Class I laser product complies with 21CFR 1040.10 and 1040.11

### Options & Accessories

- Shoulder stock
- Carrying case
- Motorcycle holster
- 8 rechargeable batteries and charger
- USB cable
- 12 VDC power cord



Sure Shot features a backlit touch screen menu display.



**Exhibit A**  
**Traffic Safety Speed Detection Radars**

Item No. & Description	Brand Name	Model #	Unit of Measure	Unit Cost	QTY.	Extended Cost
1. 3.1.1 Speed Detection Radar	MPH Industries	BEE3-Ka2	Each	1899.00	39	\$74,061.00
2. 3.1.2 Speed detection laser device (handheld)	MPH Industries	SS-BAS	Each	2550.00	4	\$10,200.00
			<b>TOTAL BID AMOUNT (Lines 1 + 2)</b>			<b>\$84,261.00</b>

Vendor should not alter pricing page and should fill out pricing page as it. The addition of alterations to the pricing page and/or addition of commodities other than those listed on the pricing page online or as an attachment, will result in disqualification of bid submittal.