EXHIBIT H

Solar Traffic Controls, L.L.C.

Minimum Specifications for Photovoltaic Powered Flashing Beacon Systems with STC-01 clock 08/25/25, Rev 1.1

General:
The goal of this document is to assist traffic professionals in preparing minimum specifications for photovoltaic (solar) powered flashing roadway beacon systems. This specifications covers School Zone Beacon systems employing flashing 12" DC LED lamps. Of key importance in this spec is the DC LED lamp portions since the light output of the unit is critical to achieving viewing distance, which equates to reaction time. In addition, the controls are key to a successful system as well and are detailed in the attached sections. Any solar beacon offered in response to this bid must comply with the following minimum federal standards:

2009 MUTCD Section 4L.01 paragraph 3 for flash rate and minimum on duty cycle
FHWA interpretation 4(09)-28(I) which forbids daytime dimming of solar beacons
FHWA interpretation 4(09)-28(I) which requires that the solar power system be sized for the resources at the application site.

Key Parameters for Solar System Operation:
Solar power systems are not a one-size fits all solution for a project. To properly specify flashing beacon system requires three things:

Location- Approximate geographical area where the equipment will be used (nearest town)

Load- Listing of all of the equipment that will draw power and how much power each draws

Duty Cycle- How long each load will draw power, on average, per day

The longer the run time or the larger the load a system must power, the larger the solar array and battery bank.

For this project the following information is provided from which to prepare a response:

Location: **Gaithersburg, Maryland** _____(nearest city)

Load: Lamp Color: Amber (default)

__Single 12" lamp _x_ Dual 12" lamp __ Triple 12" lamp

Projected Duty Cycle (time flashing):

Split run time: Morning hours: __8:15 am__ to __9:15 am____ Midday hours: _____ to _____

Afternoon hours: ____2:45 pm____ to ____3:45 pm____ _____ = Total hours/day_____2_____

Full day run time: Start time: _____ AM End time: _____ PM

Total hours/day: _____

Days of the week: Mon-Fri by default Additional Days:___Sat___Sun

Note: If your school has early release or late start one day of the week, do not include this in the information above.

Minimum Vendor Response

Solar Electric System Design:
The solar electric system will be designed to act as a stand alone power source for the system. Any response to bid will include a system sizing report. The sizing report will feature the following information:

-Site information that includes average monthly insolation on a horizontal surface, insolation at tilt, average monthly temperature at the site, elevation, latitude and longitude. The data shall reflect the information for the site or the nearest geographical point for which data is available. In the event that no data point exists in the vicinity of the site, sizings will be prepared for the three nearest data points available around the application site.

-Load tabulation will be included to detail the number, type and duty cycle of all loads in the system. If manufacturers give a range of power consumption for standard items such as LED lamps, the largest possible value of the load shall be used for design purposes. Operating voltage will be specified and days of the week the system is to be used.

-Type of solar module to be used by model and manufacturer. Key technical data on the module such as open circuit voltage (VOC), peak power voltage (V-peak), short circuit current (Isc), and peak power current (I-peak) shall be provided. The electrical configuration of series and parallel modules will also be specified as well as the array tilt angle through the year.

-Type of battery will be given by model and brand name. Technical data on the battery such as voltage and the capacity at the 100 hour discharge (C/100) rate will be given. The electrical configuration of the batteries (number of series and parallel) will be given. Projected days of autonomy will be given with the battery information. All school zone systems will show a minimum autonomy of 5 days if no other specification is given.

-The Array to Load Ratio (ALR) and projected battery state-of-charge (SOC) will also be given. Minimum acceptable array to load ratio for a school zone system is 1.05 in December indicating that the system, on average can produce 5% more power than it consumes. A projected battery State Of Charge will be included in the report and will show an SOC of 80%-100% throughout the year.

-System deratings will appear in the program to cover any losses from module output mismatch loss, dirt/dust accumulation losses and wiring losses. Losses may appear as a lumped derating value but a thorough discussion of the losses must be provided.

Failure to provide a sizing report will be considered non-responsive and result in disqualification.

Solar Electric Modules and Mounting Structures:
The modules shall consist of 36 crystalline cells in series. Cells will feature an antireflective coating and a low iron glass covering. Cells will be encapsulated to protect them from the environment. Each module will feature a weather tight junction box for connecting the array output cable to the module terminals. Modules will feature a minimum warranty of 2 years for power output for modules 30W and less and a minimum of 5 years for modules 40W and greater. All modules will feature an anodized aluminum frame for mechanical support.

Solar modules will be securely mounted to a suitable Top-of-Pole Mount (TPM) or Side-of-Pole Mount (SPM)structure that has been specifically designed to hold solar modules. TPMs will be designed to mount to a 4.5" O.D. pole or tennon. The mount will be able to rotate a full 360 degrees to ensure it can be oriented facing south. Top-Of-Pole Mounts will be powder coated or hot dip galvanized steel and configured at a fixed angle of 45 or 60 degrees (depends on latitude). SPMs will be designed to attach to a pole of 5" or greater diameter using either stainless steel banding or by directly bolting to the pole. All of the necessary basic hardware to install the mount to the pole will be included. Security hardware for securing the module to the mount will be included along with any special tools required for the hardware. All hardware provided will be stainless steel.

A data sheet for the module and the mounting structure to be provided with the system will be part of the bid response. Failure to provide this data will be considered non-responsive and will result in disqualification of the bid submission.

System Controls

Solar/Flasher Controls:
The system will feature an integrated control unit. The controller shall be solid-state unit capable of managing battery charging and load/flasher control in a single unit. Charge control/flasher circuitry built from multiple components will not be allowed.

The charge control portion will be designed such that it draws minimal power from the battery in standby. The unit will use an ambient temperature sensor to adjust the charge termination point thus prolonging battery life (temperature compensated charging). The charge circuit will also employ a pulse-width-modulation algorithm for charging the batteries and be a solid-state series switch type configuration. The unit will be rated for a maximum solar charge current of 15A. The solar input will include a 1.5K –Joule transient voltage suppressor with a minimum of 25.3VDC breakdown and it will be non-polarized.

Load/flasher control will be accomplished using a Low-Battery-Disconnect (LBD) circuit to disconnect power to the flasher control circuit when battery voltage falls to a low state-of-charge (typically 20%). The flasher circuitry will be all solid-state and provide two complimentary flasher outputs rated at 8A each. When flashing, the unit will have an output duty cycle of 50% per lamp and will be capable of 50-60 flashes per minute for each lamp in compliance with the 2009 MUTCD, Section 4L.01, paragraph 03. The controller will have built in night dimming circuitry available and will be programmable through the use of a removable jumper.

An 8-position terminal block with all positions labeled for ease of maintenance will be included as part of the controller. Toggle switches shall be provided to select the lamp activation source as either manual ON, OFF or control from an EXTERNAL switch closure source. A switch to select between night run only and auto tracking of lamp intensity based on external light levels will be included. A status LED for charging and Low Battery will be included on the face of the controller.

On board short circuit protection shall be provided. The controller shall be made in USA.

A data sheet on the integrated charge/flasher control unit will be provided with the bid response or the submission will be considered incomplete.

System Timer Module:

The system timer will be a programmable annual time switch capable of providing multiple ON-OFF activation of user loads through dry contacts. The standard unit will include two 10A form A contact closures which can be configured to provide up to 6 ON-OFF events during the course of a day normal day's operation. The standard unit shall also allow for 12 alternate schedule periods during the year. Alternate program periods allow the operation of different schedules for a period of a day, week or several months. Alternate schedule periods will be capable of up to three ON-OFF activations per day. The standard unit shall also be capable of providing up to 16 holiday skip periods per year that can range from one day to several months depending on the user's needs. Skip periods are typically holiday events or school holidays where operation of the system is suspended. The LCD screen display will at all times indicate either normal operation, holiday, alternate, or ON status message, depending on the current state of the clock, and alternate between the time/day/date screen. In the event of a low battery condition or an incorrect switch position on the solar/flasher controls the screen will display a warning message to the user indicting a problem.

Specific features sought in the unit are as follows:

-Up to 6 activation periods per day in Basic program
-Up to 12 alternate schedule program periods per year
-Automatic leap year and daylight savings time correction
-Military time format to reduce AM/PM data entry errors
-Optional memory cartridge for transferring data between units
-Minimum of a 4 line by 12 character LCD display
-Optional keyed harness to swap out for existing time switch (NTC or AP type)
-Backlit LCD display
-Six user interface buttons
-Low power DC operation
-Non-volatile schedule memory
-16 holiday skip periods

The time clock will be programmable from the integral keypad and via a micro-SD (16-32GB) card that can be moved from clock to clock to transfer timing parameters. For orders greater than 10 flasher units a desktop programmer will be included at no additional charge. The desktop programmer package will allow the user to program the school schedule from the comfort of the office and upload into a micro-SD card to transfer it to the field units. One memory micro-SD will be furnished with the desktop programmer. No computer, special software, cables or local wireless connectivity will be required to program the clock in the field. Additional can be purchased to cover multiple school schedules. A manual override function will be included through the six keys. This mode will allow 1 hour of operation in override and automatically turn off at the end of the period unless a valid run interval is in effect.

System Enclosure:

The system will include a single enclosure for ease of installation. The unit shall be an aluminum enclosure with a minimum material thickness of 0.125" and approximate dimensions of 17"x 15.5" x 15.5". The cabinet will be capable of holding up to one group 27 battery. Mounts will be included as part of the enclosure at the rear and will be suitable for mounting to a 4.5" outer diameter pole. The enclosure will also be capable of accepting band style mounts if needed. The enclosure will feature a minimum of one #2 style traffic cabinet lock with two keys. The body of the enclosure will have three louvered vents with screening per side for adequate cross ventilation. The louver screening will be aluminum for longevity. The enclosure door shall cover the entire front side of the cabinet and be constructed of a single piece of aluminum. It will have a neoprene gasket around the entire edge of the door. The door will be attached to the enclosure body using a continuous stainless steel hinge that is riveted to the door and the enclosure body. The hinges will be installed such that the rivets are not exposed when the door is closed. An integral rigid door stop will be included in the unit so that the door can be fixed in the open position. An integral rain lip will also be provided at the top of the main cabinet body to minimize entry of water. An adjustable stainless latch striker will be included in the side of the main cabinet body to allow the user to adjust the pressure between the door gasket and the body of the cabinet.

The battery compartment will have a minimum of ½" of styrofoam sheeting around the battery to minimize heat transfer between the battery and the wall of the enclosure. The name of the system manufacturer will be stamped or affixed to a metal plate on the inside of the enclosure door along with a phone number for troubleshooting assistance. The cabinet will have a mill finish. All hardware will be stainless steel. The enclosure shall be made in the USA.

System Wiring:

All systems will feature a color-coded wiring harness for both the lamps and the solar array output. The lamp harness will consist of a wiring assembly suitable for use with a two-lamp system to be installed on a typical 15' pole. The harness will be color-coded for ease of connection to the lamps. A 7-9 pin keyed locking connector will be included in the harness to act as the main system disconnect allowing the lamps and battery to be disconnected from the control electronics in compliance with NEC Article 690. The connector will be located approximately 13" from the end of the harness that connects to the electronics panel. An integral fuse assembly will be included in the Lamp positive wire of the harness. All connections will be terminated with a crimped spade terminal for easy installation. Wire for the harness will be TEW or MTW.

The solar array output harness will consist of a color-coded pair of conductors. The size of the conductors will be dependent on the solar array output current, but will be no less than #12AWG XHHW type cable. A UV resistant jacket will be provided for any wire exposed between the pole/mount and the solar array junction box. Spade terminals will be included for ease of installation. Minimum length will be 14.5'.

System Batteries:

The system will come equipped with the number and type of batteries detailed in the sizing report. The battery type will be a sealed-maintenance free valve-regulated lead-acid design. The battery will use either an Absorbed Glass Mat (AGM) or Gel matrix to suspend the electrolyte making it immobile. Acceptable battery sizes will be group size U1, 22, 24, 27 and group 31. Capacity of the batteries at 25ºC will be 36Ah to 115Ah at the C/100 rate depending on battery size. Batteries will use a copolymer polypropylene case and cover. Non-removable pressure regulated flame arresting safety valves will be standard. Rated operating temperature will be from –40ºC to 72ºC. Batteries will also feature a low self-discharge rate of approximately 1% per month at 25ºC. The system battery will be made in the USA.

A data sheet on the system battery(s) shall be provided with the bid response or the submission will be considered incomplete.

LED Lamp Elements:

All systems will feature LED lamps. One to three lamps will be provided with the system depending on the project requirements. Size of the lamps will be 12" in agreement with 2009 MUTCD recommendation that all new installations use 12" lamps. All LED lamps will feature optically matched LED elements for uniform color output of 590-594 nanometers for amber LED lamps. LED lamp elements will be made from TSAlInGaP material. Lamps shall incorporate multiple main circuits comprised of 4 LED elements in series. All Lamps shall incorporate a self-regulating circuit to accommodate input voltages from 10.5-18VDC. Surge and spike protection will be included in the lamp circuit. 12" lamps will have 196 LED elements and have an optical output at 2.5x2.5 deg of not less than 1000Cd at turn on at 25C

Lamps shall have either a clear or tinted UV stabilized acrylic lens, which shall be removable for field repairs. Lamps shall have a viewing angle of 17.5 x 55 degrees to meet ITE specifications for beam spread (pre June 2006 standards). LED lamp assemblies will be made in USA from both foreign and domestic parts and include a 3 year limited warranty against defects in materials and workmanship.

A data sheet for the LED lamp shall be provided with the bid response or it will be rejected as incomplete.

Signal Head Assembly:
All signal head assemblies will be constructed of either aluminum or polycarbonate and will include a tunnel visor of the same material. Signal heads will be finished in yellow as the standard color. The signal head assembly will be supported by an upper arm assembly and include both a one-way hub and a universal hub to allow for ease of installation in the field. A lamp closure kit matching the color of the head will be included as well. Signal head assemblies will include a 5" louvered back plate with hardware and will be installed at the discretion of the project engineer.

Flasher System Mounting/installation Options:
The standard configuration of the systems offered will be for mounting on a standard 4.5" O.D. pole. The option of mounting to a wood pole or a strain pole of over 5" O.D. will be available as an option and exercised based on project requirements. Systems configured for such mounting will include band style mounting brackets for the system enclosure as well as any necessary conduit hubs to allow the passing of the wiring into and out of the cabinet. Solar array mounting for such systems will be either side- or top-of-pole mounts depending on the requirements of the project. Conduit between points will be considered a site specific item and not part of the equipment package.

Signal head assemblies will also be available in a band mount configuration for installation on wooden poles or poles greater than 5" O.D. Documentation will reflect the installations methods for standard and band mount installation of equipment.

Optional-Spun Aluminum Pole Kit:
If required, the system will include a spun aluminum pole kit. The kit will consist of a spun aluminum pole with threading on one end, a cast aluminum break away base, and a galvanized anchor bolt it. The spun aluminum pole will be a Schedule 40 wall thickness 4" pipe and made of T6061-T6 aluminum with an overall length of 14'. The pole will be stamped with this information above the threads. It will include a 4"-8 NPT thread on one end and be flat on the other end. The cast aluminum break away base will be a TS1000L type from Akron Foundry. It will include an aluminum hand hole cover with a ¼-20 screw to secure it in place. An SLU type copper grounding lug will be included inside the base for the earth ground connection. The base will also include an integral high neck with recessed threads to accept the pole. The design will be such that when the pole is screwed in all the way to the base, there will be no exposed threads showing at the pole-base intersection. There will also be three 3/8" stainless steel set screws located 120 degrees apart on the neck which, when tightened down, will prevent the pole from rotating in the base. Four galvanized steel anchor bolts, each with a galvanized nut and 2.5" square x 3/16" thick galvanize washer, will be included as part of the pole kit. Each bolt will be ¾" x 18" long and L-shaped with the L-section 4" in length. The breakaway base must be AASHTO approved. The aluminum pole and breakaway base will be made in the USA. Anchor bolts will be made of US steel ad certification will be provided upon request.

Documentation:
Each system will come with a complete installation and user's guide. Minimum information to be covered is as follows:

-Basic solar system theory and system overview.

-Description of all the system components and their basic function.

-Installation of a typical system including sections specifically covering pole installation, all aspects of installation of the solar power system and LED lamp installation.

-Troubleshooting and maintenance of the system.

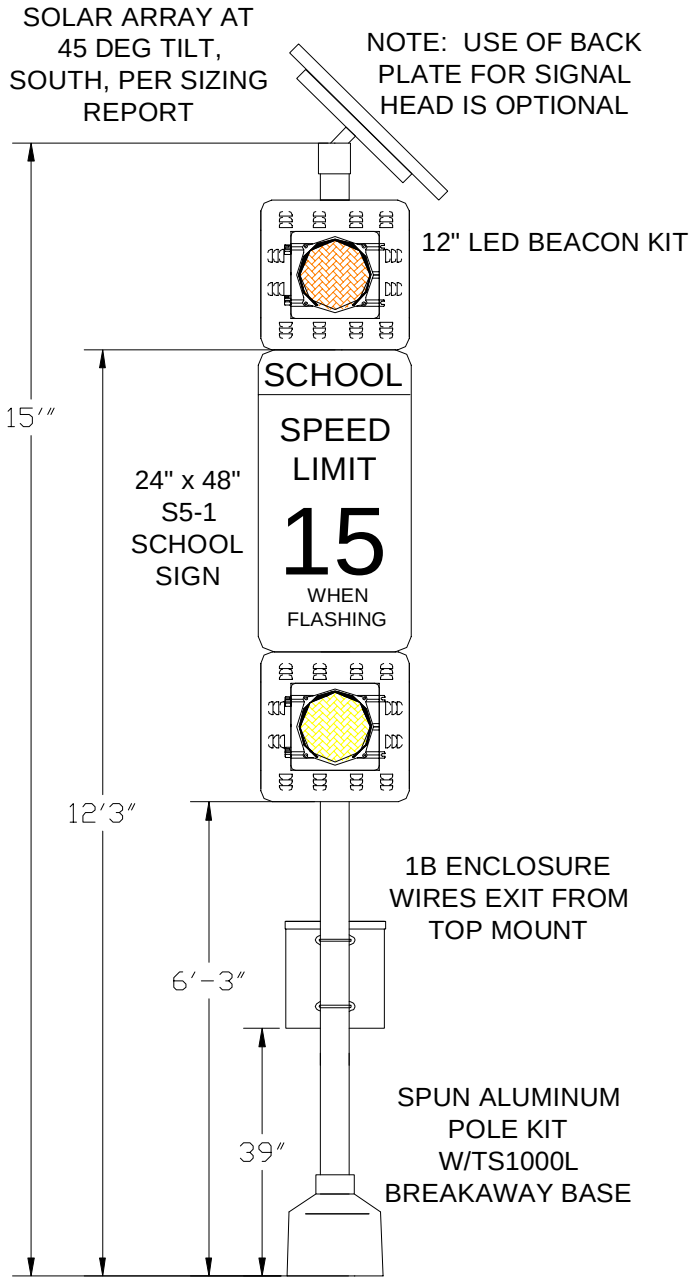
-Appendices with data on all of the components used in the system.

-Quick start timer programming instructions.

-Complete drawings or illustrations throughout to support and clarify the text.

-Phone/FAX numbers for technical support of the system

-Minimum page size of 8.5” X 11” to ensure drawings are large enough to be legible

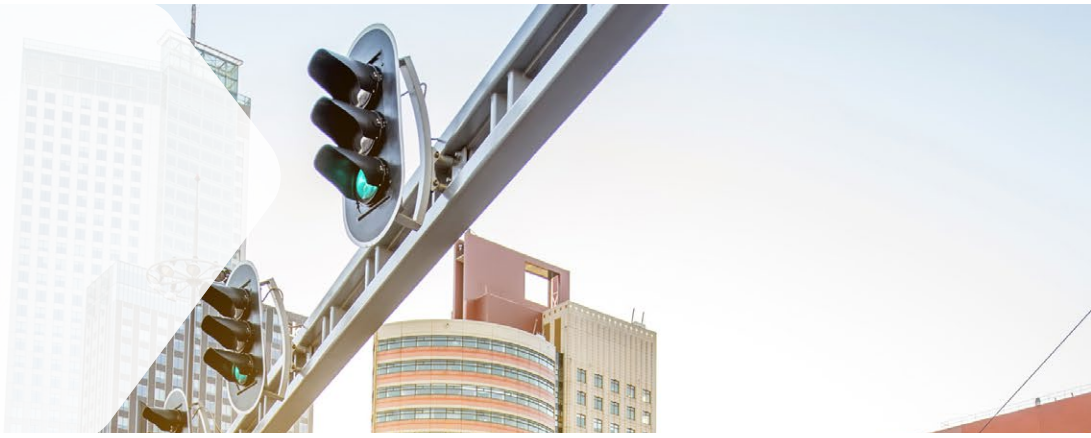


EASTBOUND ELEVATION

SWARCO

McCAIN TRAFFIC SIGNAL HOUSING

8” DIAMETER
12” DIAMETER
ALUMINUM
POLYCARBONATE



SWARCO McCain, Inc.’s Traffic Signal Housings provide a durable and low-maintenance housing for standard LED modules as well as incandescent optical assemblies. The housings are compliant with multiple agency standards including the Institute of Transportation Engineers, Caltrans, and most state Departments of Transportation. An industry leader in signal manufacturing and supply, SWARCO McCain, Inc. offers an extensive range of materials, configurations, and accessories, including backplates, visors, and signal assemblies, to meet your traffic signal requirements.

1-Section shown in federal yellow

3-Section shown in federal yellow

KEY FEATURES AND BENEFITS

- Modular design promotes flexible configuration options
- Fabricated from aluminum or polycarbonate with or without 10% fiberglass reinforcement
- 8” or 12” diameter
- Weathertight doors
- Custom hardware and terminal block locations available

TS&T
TRAFFIC SYSTEMS & TECHNOLOGY

PRODUCT DESCRIPTION

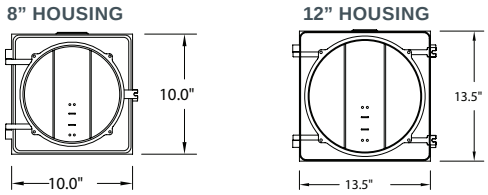
The McCain Traffic Signal Housing is modular in design, allowing a multitude of signal configurations for standard LEDs as well as McCain incandescent optical assemblies.

Available in polycarbonate and aluminum, each section is injection molded or cast in one piece. Reinforcement ribs and serrated ports, both top and bottom, provide strength and positive locking with other sections and mounting hardware. Positive latching of doors is achieved with stainless steel eyebolts and wing nut assemblies, and the doors feature four metal threaded inserts for visor attachment. A positive seal is assured with an EPDM rubber gasket creating a moisture-free and dust-tight atmosphere.

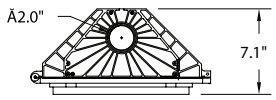
McCain Traffic Signal Housings are compatible with SWARCO McCain, Inc.’s backplates and visors, available in both aluminum and ABS. The top and bottom ports allow installation into many framework mounting assemblies.

McCAIN TRAFFIC SIGNAL HOUSING

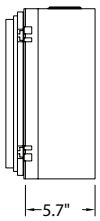
FRONT*



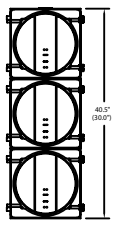
TOP*



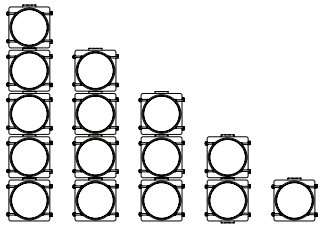
SIDE*



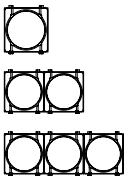
3-SECTION*[1]



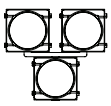
TYPICAL CONFIGURATIONS



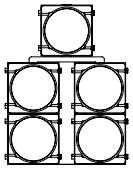
Vertical



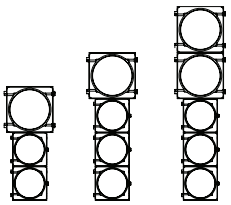
Horizontal



HAWK



Doghouse



Mixed Use

STANDARD FEATURES

- Modular sections, one-piece, injection molded or cast
- 72-tooth serrated boss and reinforcing ribs, top and bottom
- Brass threaded inserts for visor attachment (4)
- Housings have a cast boss for mounting a 5 or 6-position terminal block[2]
- Words red, amber, and green are cast next to each boss to identify light source lead wires
- 5 or 6-position terminal block installed in center section[3]
- Stainless steel door roll pins and eye bolt/wing nut assemblies
- Integral lugs on the housing and doors with stainless steel roll pins provide effective door hinges
- Weathertight EPDM rubber door gasket

GENERAL SPECIFICATIONS

	8" HOUSING	12" HOUSING
Dimensions[4]:	10"W x 10"H x 7"D	13.5"W x 13.5"H x 7"D
Material:	Aluminum: Type 360, reduced corrosion, increased powder coat adhesion Polycarbonate: Ultraviolet and heat stabilized, flame retardant, permanently colored, 10% fiberglass reinforcement	
Finishes:	Aluminum: Powder coated Polycarbonate: Colored resins integral to housing	
Colors:	Federal yellow, signal green, black, or custom colors	
Light Source:	LED or incandescent	
Mounting:	2.0" hole top and bottom fits 1.5" NPT fittings	
Environmental:	Operating temperature: -37°C to +74°C Humidity: 0 to 95% (non-condensing)	
Shipping Weight[5]:	Aluminum: 4 lbs Polycarbonate: 2.1 lbs	Aluminum: 7.8 lbs Polycarbonate: 4.2 lbs

Housing

door

OPTIONS

- Fiberglass-free polycarbonate
- Aluminum and polycarbonate housings can be mixed in one signal head
- Location, quantity, and type of terminal blocks
- Door hardware: permanent or removable[6]
- Visors
- Backplates
- Mounting: Various framework, orientation, and configurations
- High-performance (highly directional) signal version

*Drawing dimensions are approximates and may vary, minor differences may not be shown; 8" and 12" housing depths are approximately the same
[1]3-Section 12" housing shown; 3-section 8" housing dimensions listed in parenthesis
[2]One side of terminal block with fast-on terminals, the other side with screw terminals
[3]Alternate mounting available
[4]Dimensions rounded to the nearest 0.5"; 1-section
[5]Empty with out components; 1-section
[6]Permanent with roll pins or removable with clevis pins

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SWARCO reserves the right to make changes at any time in order to supply the best product possible.
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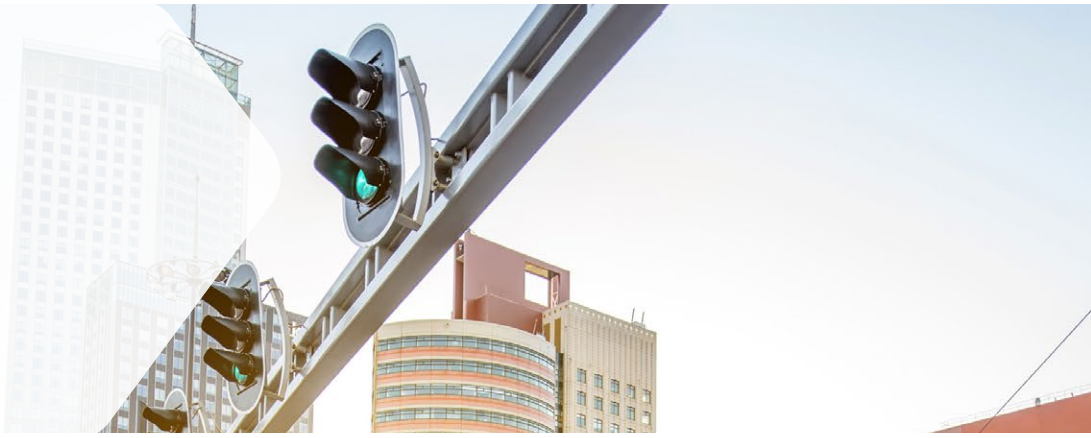
SWARCO

McCAIN SIGNAL VISORS

ALUMINUM
POLYCARBONATE
CAP
FULL CIRCLE
SCOOP
TUNNEL
45° ANGEL



McCain Signal Visors increase signal visibility in sunlight while still allowing an unobstructed view for multiple lanes of approaching drivers, cyclists, and pedestrians. SWARCO McCain, Inc. produces a range of standard and angled visors including cap, full circle, scoop, and tunnel that offer a variety of signal viewing angles. Whether you are looking for aluminum or polycarbonate, federal yellow, signal green, black, or custom colors, SWARCO McCain, Inc. has the visors to meet any need.

CAP SCOOP TUNNEL

FULL CIRCLE 45° ANGEL

KEY BENEFITS

- Increases signal visibility in sunlight
- Provides a solution for every need with a variety of materials, sizes, styles, and angle options
- Easy installation

PRODUCT DESCRIPTION

McCain Signal Visors, molded polycarbonate or stamped and formed aluminum, are available in 8 inch and 11 inch signal configurations. Integrally formed, twist-on mounting tabs make installation and maintenance a snap, and a standard three degree downward tilt facilitates signal visibility.

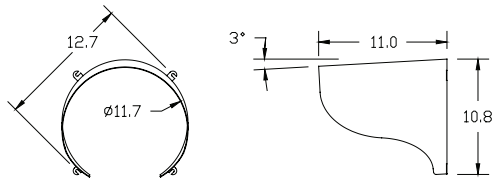
Specialty visors include a 45° angle and scoop visor. The 45° angle visor comes in two standard lengths, 18 inch and 27 inch and in right and left versions. It's design narrows visibility for locations such as angled intersections.

The scoop visor is designed to resist snow build-up on signal lenses in colder climates. A louvered vent on top and an open bottom contribute to the increased vertical movement of air across the face of the signal lens, thereby increasing resistance to the deposit of snow.

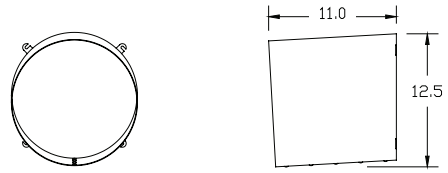
McCAIN SIGNAL VISORS

FRONT[1] **SIDE[1]**

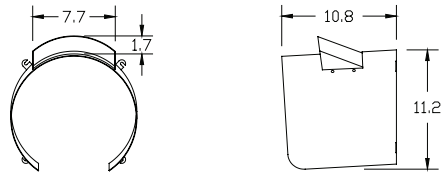
CAP



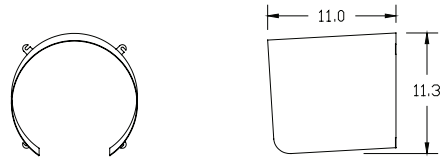
FULL CIRCLE



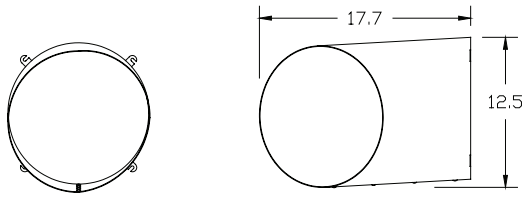
SCOOP



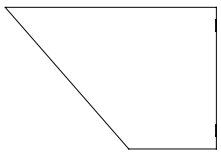
TUNNEL



45° (18" RIGHT ANGLE VIEW)



TOP



STANDARD FEATURES

- One-piece construction[2]
- Twist-on mounting tabs
- 3° downward tilt

GENERAL SPECIFICATIONS

	CAP	FULL CIRCLE	SCOOP	TUNNEL	45° ANGLE
Dimensions[3]:	8”DIA x 8”D 11”DIA x 11”D				8”DIA x 18”D 11”DIA x 18”D 11”DIA x 27”D
Degree of Tilt:	3° (down)				
Material:	Aluminum[4]: Type 3003, 0.050” thick Polycarbonate[5]: Ultraviolet and heat stabilized, flame retardant, permanently colored, 0.10” nominal thickness				
Finishes:	Aluminum: Powder coated Polycarbonate[5]: Colored resins integral to visor				
Color(s):	Exterior: Federal yellow, signal green, black, or custom Interior: Flat black				
Mounting:	Twist-on tabs				
Shipping Weight[6]:	1-4 lbs.				

OPTIONS

- Additional lengths available
- Degree of tilt

[1]All visors shown are 11” signal versions. Dimensions shown in Cap front view and degree of tilt shown in Cap side view are typical of all 11” visors, except 45° visor
[2]Except scoop visor
[3]Dimensions listed as diameter by depth; rounded to the nearest inch
[4]Aluminum provides very good corrosion resistance
[5]Standard visors only
[6]Varies based on material, size, and style

www.swarco.com/mccain

SWARCO reserves the right to make changes at any time in order to supply the best product possible.
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pelco PELCO PRODUCTS, INC.
www.pelcoinc.com
320 W. 18TH ST, EDMOND OK 73013
PH: 405-340-3434 FAX: 405-340-3435

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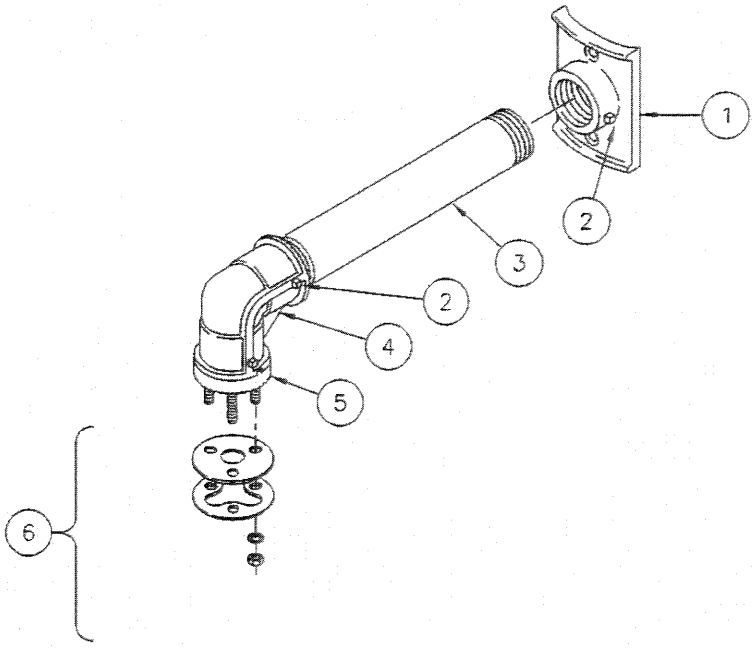
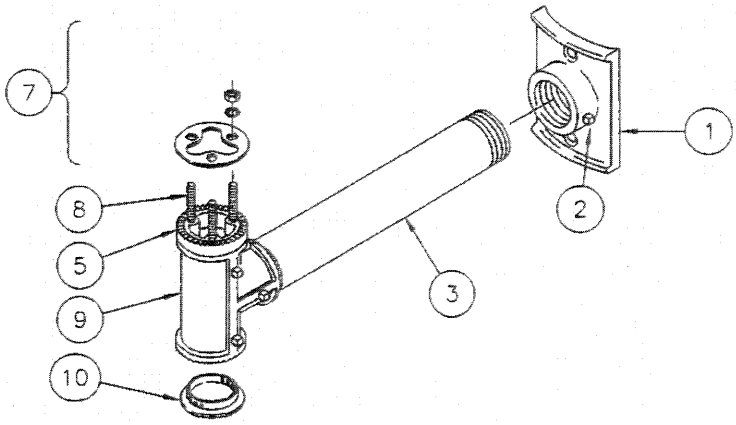
ASSEMBLY SHEET

REF: TS&T TRAFFIC SYSTEMS & TECHNOLOGY

TITLE: Side-of-Pole Assy, 1-Way, Tri-Stud, Alum

PELCO NO.: SP-1007-MD





ITEM	PART NO.	DESCRIPTION	QTY
1	SE-0357-M1	Hub Plate, Large Pole, 1-1/2" NPS, Alum	2
2	FS-3218-SS	Screw, Set, Sq Hd, 1/4"-20 x 1/2" Stainless	7
3	SE-0436-12	Nipple, 1-1/2" NPS x 12", Alum	2
4	SE-0457-M1	Ell, Serrated, 1-1/2" NPS, Alum	1
5	SE-0502-M2	Adapter, Tri-Stud, 1-1/2" NPS x 5/16"-18, Alum	2
6	SE-5123-SS	Hardware Kit, Tri-Stud w/ Gasket, 5/16"-18, Stainless Slotted Washer & Hardware	1
7	SE-5122-SS	Hardware Kit, Tri-Stud w/o Gasket, 5/16"-18, Stainless Slotted Washer & Hardware	1
8	FS-3309-SS	Stud, All Thread, 5/16"-18 x 2-1/16", Type 304 Stainless	6
9	SE-0458-M1	Tee, Serrated, 1-1/2" NPS, Alum	1
10	SE-0304-P02	Cap, Fitting, 1-1/2" Black Plastic	1

DRAWN: DATE: 10/26/01 | CHK'D: R WOODS DATE: 06/10/10 | REV. F-06/10/10 GMB | REV CHK'D: RW 06/10/10 | SHT. 1 OF 1

C:\Vault-Local\CAD\Pelco Dwgs\SP\State\MD\SP-1007-MD.dwg, 6/10/2010 12:03:37 PM, Controlled Document Valid for 72 Hours

Pedestal Poles

Pelco offers aluminum, iron, and plastic bases in various sizes as well as poles in aluminum and steel. Pelco's cast aluminum square base is FHWA certified and meets or exceeds AASHTO break-away requirements. Plastic replacement doors offer an economical way to deter vandalism.

No Threads

Pedestal Pole, 4" Sch 40, Spun Alum No Threads

PB-5101 - [ ] - [ ]

Length — Coating

PNC=Process No Color
P_ _=Paint

4"-8NPT TOE

Pedestal Pole, 4"- 8 NPT Sch 40, Spun Alum w/ Pelican ID

PB-5100 - [ ] - [ ]

Length — Coating

PNC=Process No Color
P_ _=Paint

Pedestal Pole, 4"- 8 NPT Sch 80, Spun Alum

PB-5102 - 14 - PNC

Length — Coating

PNC=Process No Color
P_ _=Paint

Pedestal Pole, 4"- 8 NPT Sch 40, Steel

PB-5201 - [ ] - [ ]

Length — Coating

P_ _=Paint

Pedestal Pole, 4"- 8 NPT Sch 40, Galv Steel

PB-5200 - [ ] - GLV - [ ]

Length — Coating

Blank=Galvanized Only
P_ _=Paint over Galvanized

Welded 4"-8NPT TOE

Pedestal Pole, Welded, 4"- 8 NPT w/ 5-1/2" Nipple Length, Steel

PB-5219 - [ ] - [ ]

Length — Coating

GLV=Galvanized
P_ _=Paint

Note: 1. Standard poles are typically sold in 1 foot increments. For other lengths contact sales.
2. See Reference Section page v for available paint colors.

ISO 9001
www.intlcert.com

pelco PELCO PRODUCTS, INC.

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405-340-3434
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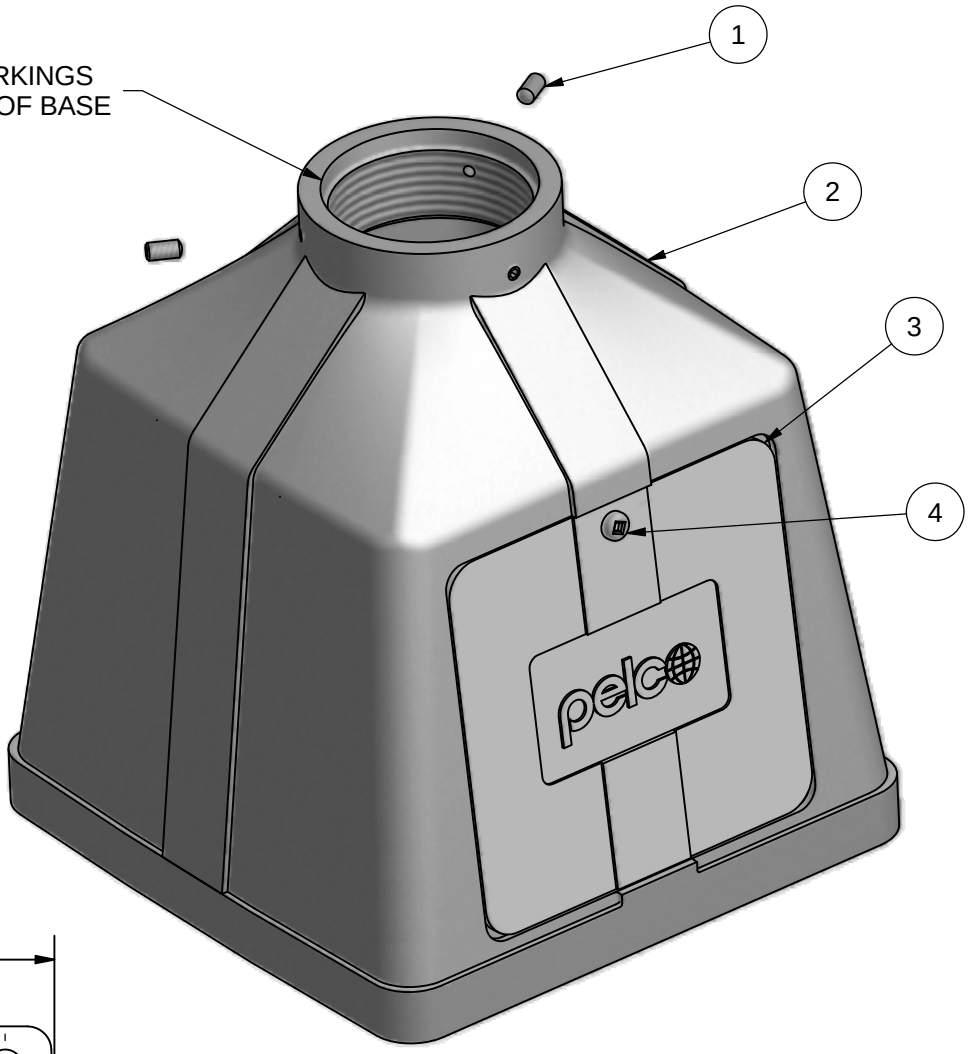
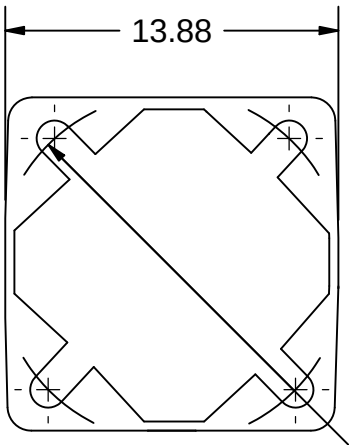
ASSEMBLY SHEET

REF:

TITLE: PEDESTRIAN BASE, SQUARE, W/ALUMINUM DOOR (3) SETSCREWS IN COLLAR

PART NO.: SP-1007-VA





BASE BOLT CIRCLE

q 14.5" MAX
Ø12.0" MIN

OPTIONS
PAINT

ITEM	PART NUMBER	DESCRIPTION	QTY
1	FS-3257-SS	SCREW, SET SOC HD, CUP POINT, 3/8" - 16 X 3/4" SS	3
2	PB-0545	BASE, SQUARE, 4"-8 NPT, 3/8" - 16 SETSCREW, ALUM	1
3	PB-0542	DOOR, SQ BASE, W/ PELCO LOGO, 319 ALUM	1
4	FS-2039-SS	SCREW, CAP BUTTON SOC HD, 5/16" - 18 X 1", SS	1

DRAWN: L ACORD DATE: 9/28/1999 | CHK'D: KBM DATE: 5/9/2005 | REV: G-6/23/08-DJB | REV CHK'D: KBM DATE: 9/5/2008 | SHEET 1 OF 2