

St. Petersburg, FL



ECOSHADE SHELTERS AND SOLAR TOTEMS SUPPORT PSTA'S ALL-ELECTRIC SPARK SERVICE

OFF-GRID SOLAR INFRASTRUCTURE DELIVERS REAL-TIME INFORMATION AND RIDER COMFORT

LOCATION

St. Petersburg is a thriving Gulf Coast city known for its arts scene, waterfront culture, and fast-growing economy. South St. Petersburg has seen renewed investment as the city works to connect its communities to the broader economic and cultural opportunities of the Pinellas County region. Transit is central to that mission.

The Pinellas Suncoast Transit Authority (PSTA) serves residents across Pinellas County with fixed-route, paratransit, and express services linking neighborhoods to jobs, healthcare, schools, and commercial centers. Its new SPARK service represents a significant step forward: an all-electric bus line designed to deliver faster, cleaner, and more connected transit while bringing South St. Petersburg closer to the region's economic core.

PROJECT SCOPE

Tolar Manufacturing partnered with PSTA to support the launch of its SPARK service with solar-powered street-level infrastructure designed to match the ambition of an all-electric fleet. Tolar supplied EcoShade Monopole Transit Shelters and 8-foot Solar Lit Totem Signs to outfit SPARK stops with off-grid solar powered lighting, real-time passenger information, and enhanced rider comfort.

The EcoShade Monopole Shelter is purpose-built for stops with limited right-of-way. Each shelter features a protective radius roof with seating for two, plus ADA seating space. An RMS80F solar lighting system powered by 80W roof-mounted panels with integrated battery storage provides dusk-to-dawn security lighting with a minimum of five days of autonomous operation.



Tolar's 8-foot Solar Lit Totem Signs feature a narrow blade design with a minimal footprint, integrated solar lighting, SPARK Bus branding, and a metal SPARK logo plate. Each totem is accompanied by an EPS13 battery-powered e-paper real-time passenger information sign, delivering up-to-the-second bus arrival data for waiting riders.

The SPARK installation illustrates how solar-powered infrastructure can extend transit service capabilities while reducing dependence on traditional energy sources and supporting agency sustainability goals.

EXAMPLES FROM CITIES ACROSS AMERICA

ST. PETERSBURG, FL

Tolar Manufacturing has partnered with PSTA to bring shade to riders across the region.

Tolar designed, manufactured, and installed 135 Signature Series transit shelters for Pinellas Suncoast Transit Authority (PSTA), including five Signature Sunset EcoShade monopoles for stops where space was limited. Each EcoShade featured a Sunset radius roof with a 6-ft by 6-ft dripline, all-aluminum construction, and a fully welded roof structure, plus seating for two flanking the center column. An integrated RMS80F solar lighting system delivered automatic dusk-to-dawn security lighting and powered E-Paper rider information signage. The shelters met FDOT bus stop standards.



FORT WORTH, TX

Solar-powered shade and rider information, wherever the footprint allowed.

This Signature Sunset EcoShade monopole shelter brought the same radius roof design and welded aluminum construction to Fort Worth, finished in Sparkle Silver powder coat with clear coat for lasting durability. Its RMS80F solar lighting system powered automatic dusk-to-dawn security lighting under the shelter roof as well as E-Paper rider information signage, backed by a five-day minimum autonomous lighting reserve so the display stayed lit even through stretches of low sun. Two welded bench seats mounted on either side of the center column gave riders a place to sit at even the smallest, tightest-footprint stops, extending the comfort of a full-size shelter to corners where one wouldn't otherwise fit.



Shelters



BRT/Rail



Street Furniture



Solar Solutions



Displays



Digital Solutions



SIGNATURE SERIES TRANSIT SHELTERS

ON THE STREETS ACROSS AMERICA

(size and design examples)



SIGNATURE CUSTOM SANTA ANA, CA

Papel Picado themed shelters bring culture and color to Santa Ana.

Bringing the delicate intricacies of popular “papel picado” Mexican folk art to life, these 41 custom-built 14-ft to 27-ft shelters include rugged steel structures enhanced with colorful acrylic roof panels, perforated benches, and vividly colored wall elements.

BRAZOS SIGNATURE AUSTIN, TX

Part of Capital Metro’s Coordinated Bus Stop Street Furniture Program delivering functional street furniture of exceptional design quality.

This 12-ft shelter incorporates a radius roof, rolled posts rear wind screen, and branding banner.



SIGNATURE SUNSET SAN DIEGO, CA

Three decades designing and fabricating bus shelters, street furniture, and digital solutions.

17-ft advertising shelters with agency branding make a big impact on the streets of San Diego. Passengers enjoy an integrated passenger information display case, Mesa benches, pole mounted trash/recycle bin, and dusk-to-dawn solar illumination in the roof and display case.

BUS RAPID TRANSIT BOSTON, MA

Nine BRT shelters in five distinctive Signature Sunset models make a modern statement.

36-ft x 7-ft BRT stations with 3/8-in cleat tempered glass, station location branding, LED illumination, housing for various amenities, slat benches, and agency branding marker.



SIGNATURE VOYAGER MAX LAKE GEORGE, NY

Beautifully designed to embrace the picturesque tourist town of Lake George.

A 62-ft custom axel open canopy shelter with 8-mm bronze twin-wall polycarbonate roof panels with solar illumination. Mesa platform benches with seat delineators, custom passenger information kiosk, and durable baked premium powder coat finish complete the shelter.

SIGNATURE SUNSET ECOSHADE FORT WORTH, TX

Uniquely designed to provide shade and comfort for narrow spaces.

These 6-ft wide monopole shelters fit perfectly in limited right-of-way locations, providing solar-powered security lighting, agency-provided ePaper real-time information signage, and seating for two plus ADA seating space.



CUSTOM VOYAGER SAN LUIS OBISPO, CA

Maximizing passenger amenities for comfort and convenience.

Four 17-ft spoke-style cantilever shelters offer flexible length adjustments to provide maximum shade. Amenities include steel strap benches, low-draw LED lighting, and back-to-back media display kiosks.

SIGNATURE SUNSET GREENSBORO, NC

State of the art solar powers these city shelters.

This 10-ft shelter is NCDOT PEP approved with its all-aluminum construction and fully welded roof with 3/8-in clear tempered safety glass showcasing highly visible city branding. LED security lighting powered with an RMS50 solar lighting system, including 50W photovoltaic roof mounted panels, provides dusk-to-dawn illumination using UL-listed components. A 7-ft Mesa aluminum frame recycle slat bench provides seating.



BUS RAPID TRANSIT CHARLOTTE, NC

Various Tolar-designed shelters greet riders as they begin their travels on BRT lines in their community.

This 16-ft Signature Sunset shelter sits along a streetcar line sporting custom art glass panels unique to each stop location. The shelters feature extra deep roofs, bronze tint heat-formed radius roof panels, wide and narrow end walls for specific location requirements, and electric security lighting in rear beam for passenger comfort.



These styles are representative of product options within this series. Scan the QR code or visit www.tolarmfg.com for additional ideas, options and specifications.

