WANCO, INC.
DENVER, COLORADO

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WANCO® Driving traffic safety.   800-972-0755

WANCO®

Since 1984, Wanco has been the leading manufacturer of highway safety and traffic control products. Our reputation was built on a record of service and integrity, and the ability to engineer products that fit a wide variety of applications. Innovation and new product development have made us what we are.

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Variable Message Signs

Matrix   Three-Line   Metro   Color   Remote-Video   Truck-Mount

Wanco variable message signs are the safest means for notifying motorists of changes in traffic patterns and road conditions. Wanco signs are ultra-bright and highly legible, with a variety of functions for any application—lane closures, highway construction, work zones, parking lots and more. A choice of sizes, displays, functions and options make these signs extremely versatile.

Variable Message Signs
Full-Size and Mini Signs
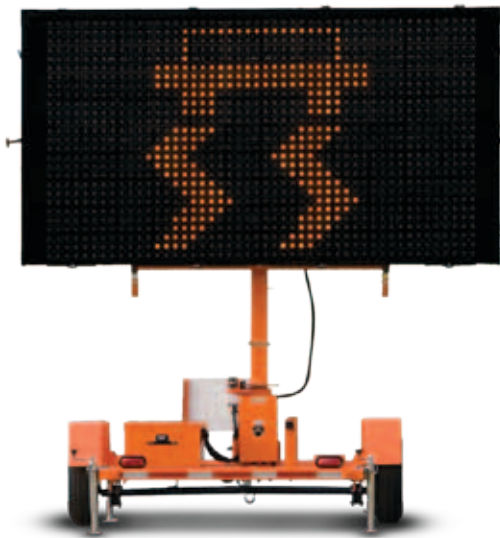
Full Matrix
WTMMB(A)   Hydraulic lift
WTMMB(B)   Manual winch

Mini Matrix
WVTM(A)   Hydraulic lift
WVTM(B)   Manual winch

Onboard computer

Easiest programming in the industry

Battery powered and solar charged

Low power consumption and more uptime

Meets MUTCD and is NTCIP-compliant

Wanco Variable Message Signs are the ideal choice when you need to get information to the public. Full-size and mini-size signs provide versatility with the same great performance.

Full-matrix signs provide the greatest flexibility for displaying any type of message—large or small letters, symbols, graphics. Graphics and text can be combined in the same message.

Wanco three-line message signs are capable of displaying three rows of alphanumeric characters. The ultra-bright, highly legible LEDs display your message clearly.

Unsurpassed quality, engineering and value, paired with a multitude of functions and options, make these signs perfect for a wide variety of applications.

Wanco's Remote Communications System provides the ability to monitor, program and control any Wanco message sign from a remote location. Wireless remote communication with the sign saves travel time, enhances safety and reduces the need for training of off-site personnel.

In addition, remotely accessible options include a radar-speed package, traffic data collector and GPS. For more information, see page 42–44.

Three-Line

WTLMB(A)   Hydraulic lift
WTLMB(B)   Manual winch

Mini Three-Line

WVT3(A)   Hydraulic lift
WVT3(B)   Manual winch

Features and Benefits

Setup features

Full-size signs weigh less than 3000 pounds, mini-size less than 2000, and can be towed by most vehicles

Standard tow hitch for easy transport

Hydraulic lift or heavy-duty hand-winch allows one person to easily raise and lower the message board

Tower rotates 360 degrees for optimal positioning

Single disk brake holds message board in place during operation, and a cradle supports and holds board in travel position

Operational features

Self-contained onboard computer does not require a laptop or external controller

Easiest programming in the industry for simple deployment

Preprogrammed text messages, symbols and graphics

Quick-reference instructions silkscreened on control panel include most commonly performed tasks

Internal clock facilitates built-in schedule programming

Multiple alphanumeric fonts on matrix signs make messages clear and legible

Optical lenses and sunshades increase visibility and performance

Wide footprint on full-size signs provides stability in high wind, while optional outriggers add even more support

Multi-level password protection limits access to control software

Control box can be locked to prevent unauthorized access

Standard QWERTY keyboard is easily replaced

Power system

Energy-efficient operation results in long run times

Solar panels charge batteries automatically without intervention

Computer shuts down solar charging system when batteries are fully charged, preventing damage

Unique system allows battery charging with solar panels and commercial power

Cooling fans protect sign cabinet and battery charger from overheating

Battery box can be locked to prevent unauthorized access

Maintenance

Individual display modules can be replaced easily

Standard 15-inch trailer tires

Heavy-duty bolt-on steel fenders can be replaced if damaged

Durable powder-coat finish resists the elements

Standards compliance

All signs are NTCIP compliant

Full-size signs meet MUTCD

All signs are AASHTO (NTPEP) tested

More details, images and specifications online
www.wanco.com

Variable Message Signs
Full-Size and Mini Signs

Rubber vibration-isolation mounts

Rubber vibration mounts decrease physical shock to the LED display modules and isolate them from chassis ground. This mounting technique prolongs the life of the modules, increasing both reliability and uptime.

The face of the sign cabinet is covered by an impact-resistant clear polycarbonate resin thermoplastic door that further protects the modules. The door is angled to reduce glare.
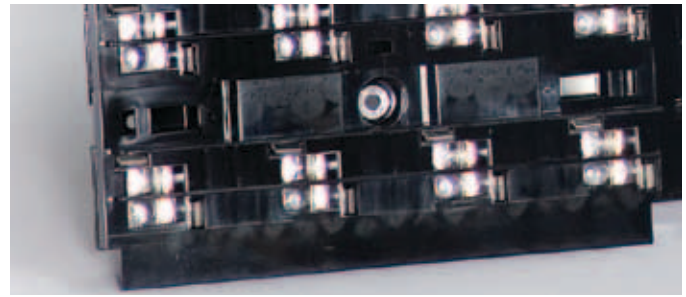

LED pixels

Display modules feature clusters of four LEDs that comprise each "pixel." An optical lens magnifies the intensity of the LEDs and increases angularity. A visor shades each row of pixels from sunlight, maximizing brightness.

All Wanco display modules feature 5-mil silicone conformal coating, which provides long-term protection against moisture and other atmospheric contaminants.

Wanco matrix signs provide a variety of font sizes and styles—many more than are shown here—as well as standard and custom symbols and graphics.
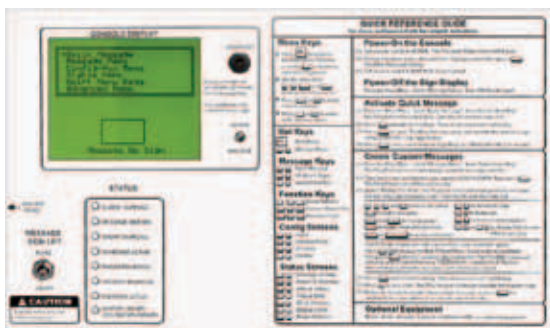
Matrix sign control panel

Wanco portable message signs have a self-contained onboard computer, making a laptop or external controller unnecessary.

Changing the message is simple, as Wanco signs feature the easiest programming in the industry. The control console includes an LCD display and quick-reference instructions for many common commands.

Signs come configured with preprogrammed standard messages. A quick-message function provides for display of select messages with a keystroke. Multiple programming options provide flexibility for multiple applications.

Unauthorized access to the console is virtually eliminated with multiple-level password protection, a removable keyboard, and a locking control box that resists tampering.

Full-size, travel position

Wanco message signs can be set up and made ready for transport quickly and easily. A hydraulic lift lowers the sign with the flick of a switch, or a manual winch lets one person lower the message board with minimal effort.

Mini, travel position

Full-size signs weigh less than 3000 pounds, mini-size less than 2000, and can be towed by most vehicles. A choice of standard tow hitches makes transporting these signs easy.

Wanco signs rotate 360 degrees, without tools, so positioning the sign for optimum visibility is easy.

Brief Specifications

	Full-size signs		Mini signs	
Deployed footprint, L x W	186 x 126 in.	473 x 320 cm	140 x 96 in.	356 x 244 cm
Sign cabinet size, W x H	138 x 75 in.	351 x 189 cm	96 x 55 in.	244 x 140 cm
Operating height	159 in.	404 cm	141 in.	358 cm
Traveling height	107 in.	272 cm	104 in.	264 cm
Weight, approx.	2640 lbs.	1193 kg	1580 lbs.	717 kg
Tires	15-inch		15-inch	
	Matrix signs		Three-line signs	
Display	48 x 27 pixels (W x H)		3 lines of 8 characters	
Fonts	12 fonts		1 font	
Default font	16.5 in., 5x7 pixels per character 3 lines, max. 8 characters per line		13.5 in., 5x7 pixels per character 3 lines, max. 8 characters per line	
Power	Batteries, solar		Batteries, solar	

Wanco message signs can be equipped with an optional secure battery box that features heavy-duty cover, hinges and padlocks.

Variable Message Signs
Metro Compact Signs

The Metro VMS is Wanco's most compact portable message sign. Designed for use in metropolitan areas, the trailer is easy to position where larger signs may not fit—on sidewalks, next to buildings, and along narrow shoulders. The Metro VMS features a full matrix of high-efficiency LEDs that reduce energy consumption while providing exceptional performance and outstanding legibility.

Small footprint for tight spaces

Full-matrix display in two sizes

Superior performance and energy efficiency

Touchscreen controller with intuitive interface

Battery powered and solar charged

Metro
WVTMM-L   Large sign
WVTMM-M   Medium sign

Optional color display

Travel position

The Metro VMS is a compact sign on a compact trailer. It has all the features of a full-size matrix sign, including the ability to display messages as text, graphics or a combination of both. The display is available in two sizes, the larger of which can show up to three lines of text. A color display is optional. The trailer is easy to maneuver and deploy, particularly in urban areas where traffic is heavy and space is limited.

Features and Benefits

Weighs less than 1500 pounds and can be towed by most vehicles

Standard tow hitch for easy transport

Heavy-duty hand-winch allows one person to easily raise and lower the sign

Tower rotates 360 degrees for optimal positioning

Single disk brake holds message board in place during operation, and a cradle supports and holds board in travel position

Full-color touchscreen controller or user-supplied laptop with Wanco software

Easiest programming in the industry for simple deployment

Preprogrammed text messages, symbols and graphics

Internal clock facilitates built-in schedule programming

Multiple alphanumeric fonts make messages clear and legible

Optical lenses and sunshades increase visibility and performance

Multi-level password protection limits access to control software

Battery box can be locked to prevent unauthorized access

NTCIP compliant

Brief Specifications

	Large sign		Medium sign	
Deployed footprint, L x W	120 x 89 in.	304 x 226 cm	120 x 78 in.	304 x 198 cm
Sign cabinet size, W x H	89 x 49 in.	226 x 124 cm	73 x 49 in.	185 x 124 cm
Operating height	130 in.	330 cm	130 in.	330 cm
Traveling height	91 in.	231 cm	91 in.	231 cm
Weight, approx.	1500 lbs.	680 kg	1400 lbs.	635 kg
Tires	15-inch		15-inch	
Amber display, W x H	60 x 30 pixels		48 x 30 pixels	
Optional color display, W x H	50 x 24 pixels Red, Blue, Green, Amber, White		40 x 24 pixels Red, Blue, Green, Amber, White	
Fonts	12 fonts		12 fonts	
Default font	10 in., 5x8 pixels per character 3 lines, max. 10 characters per line		10 in., 5x8 pixels per character 3 lines, max. 8 characters per line	
Power	Batteries, solar		Batteries, solar	

Touchscreen controller

For wireless remote communications with any Wanco message sign,

Variable Message Signs
Color Sign

Five-color full-matrix display

Combine colored text and graphics

Create custom messages with Wanco software

Touchscreen controller with intuitive interface

Battery powered and solar charged

The Wanco Color Message Sign lets you create messages like you never could before. Using Wanco computer software, you can create and combine graphic symbols with text to make bright, colorful messages that stand out. Design your own symbols, import your corporate logo and more. Add text, make multiple message screens and even create simple animations.

5-Color
WVTM-5C

Travel position

15 LEDs per pixel, 3 of each color

Features and Benefits

Setup features

Under 1800 pounds, can be towed by most vehicles

Standard tow hitch for easy transport

Hydraulic lift allows one person to easily raise and lower the message board

Tower rotates 360 degrees for optimal positioning

Single disk brake holds message board in place during operation, and a cradle supports and holds board in travel position

Operational features

Five-color full-matrix display

Full-color touchscreen controller or user-supplied laptop with Wanco software

Wanco computer software for designing messages

Preprogrammed and MUTCD-standard text messages, symbols and graphics

Multiple alphanumeric fonts make messages clear and legible

Internal clock facilitates built-in schedule programming

High-efficiency LEDs for superior performance

Multi-level password protection limits access to control software

Power system

Energy-efficient operation results in long run times

Solar panels charge batteries automatically without intervention

Auto-charger shuts down when batteries are fully charged, preventing damage

Built-in AC charger for manual charging

Cooling fans protect sign cabinet from overheating

Battery box can be locked to prevent unauthorized access

Maintenance

Individual display modules can be replaced easily

Standard 15-inch trailer tires

Heavy-duty bolt-on steel fenders can be replaced if damaged

Durable powder-coat finish resists the elements

Maintenance-free batteries extend lifespan and save on labor

Standards compliance

NTCIP compliant

Brief Specifications

Deployed footprint, L x W	140 x 104 in.	356 x 264 cm
Sign cabinet size, W x H	104 x 59 in.	264 x 150 cm
Operating height	145 in.	367 cm
Traveling height	104 in.	264 cm
Weight, approx.	1763 lbs.	800 kg
Tires	15-inch	
Display	60 x 32 pixels (W x H) Red, Blue, Green, Amber, White	
Power	Batteries, solar	

Touchscreen controller

More details, images and specifications online
www.wanco.com

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Variable Message Signs
Remote-Video Monitoring System

Live video

Remote access and control

Real-time monitoring

Radar and GPS data

Portable and wireless

The Wanco Remote-Video Monitoring System adds video monitoring and remote-access capability to Wanco message signs. The system provides remote control of both the camera and the sign, and can easily be moved from one location to another. Monitor traffic, change the message displayed on the sign and control the day/night pan-tilt-zoom camera using your computer's Web browser.
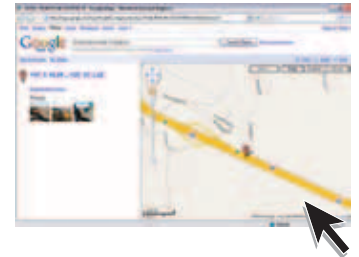
Live radar-based traffic speed

Live MPEG video and PTZ camera control

1-click link to GPS-based location on Google® Maps

Real-time message sign monitoring and control

Real-time fleet health monitoring

Monitoring System

WTMMBC

Features and Benefits

Communication with the Remote-Video Monitoring System (RVMS) is made possible via a computer, an Internet connection and a cellular router installed at the message sign.

Connect from the comfort of your office, a central command center, or any Internet-enabled location.

With client software installed, you can access and control the RVMS video camera, message sign and accessories.

Modify the message displayed on the sign; check power levels; pan, tilt, and zoom the video camera; access radar and GPS data; and more—all without leaving your chair.

At the sign, the camera tower and message board can be raised and lowered independently allowing you to use either one without the other turned on. The camera tower retracts fully, and the message board rests in a cradle when lowered, guarding against damage during transport and storage.

Travel position

Brief Specifications

Camera System	
Camera model*	Vicon® Surveyor™ or Axis® Q60 series
Camera type	Clear-domed, day/night, pan-tilt-zoom (PTZ)
Optical zoom	23X or 35X
Video	Selectable, MPEG and many other formats
Network security	Multiple user-access levels, IP address filtering, HTTPS encryption, IEEE 802.1x authentication
Communications	High-speed 4G/3G cellular router, accessible via TCP/IP Internet access
Camera tower	Electrically operated winch, telescoping tower rises to 122 in. (310cm) above top of message sign board, 22 ft. (6.7m) max. camera height

Camera options available. For more information, contact the factory.

More details, images and specifications online
www.wanco.com

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Variable Message Signs
Vehicle-Mount

Full-matrix display

Text, graphics and bold arrows

Fully programmable

High-efficiency LEDs with superior legibility

Low-profile 90° tilt-frame

Wanco vehicle-mounted message signs feature a full matrix of LEDs for displaying text and graphical messages from a moving or parked vehicle. The vehicle can move with a convoy while displaying relevant messages to drivers. These signs use high-efficiency LEDs with reduced energy consumption, so all messages are bright, visible and highly legible.

Truck-Mount Signs

WVMBM -3LP   Large sign
WVMBM-2LP   Small sign

Travel position

Touchscreen controller

Wanco's handheld controller has a high-resolution, full-color touchscreen interface that allows the user to change messages quickly. The touchscreen continuously shows the message displayed on the sign.

The controller is installed inside the vehicle cab. A choice of mounting brackets allow the controller to be rotated and tilted or lifted out of the bracket for handheld operation. A toggle switch on the mounting bracket lets the user operate the tilt-frame, to raise and lower the sign quickly and easily, without exiting the cab. A user-supplied laptop computer can be used with Wanco software in place of the touchscreen.

Features and Benefits

Full-matrix display shows text, graphics or both

Preprogrammed extra-bold arrow patterns

High-efficiency LED characters are bright, clear and legible

Energy-efficient operation

Full-color touchscreen controller or user-supplied laptop with Wanco software

Continuous message preview on touchscreen

Cooling fan protects sign cabinet from overheating

Built-in RF immunity ensures reliable performance

Integral 90° tilt-frame is power operated from inside vehicle

Low-profile tilt-frame is just 12 inches tall in travel position

Optional external-battery power includes solar charging system

Bold arrow patterns are preprogrammed

Brief Specifications

	Large sign	Small sign
Cabinet size, W x H	72 x 49 in. 183 x 124 cm	72 x 36 in. 183 x 91 cm
Weight with tilt-frame	265 lbs. 120 kg	220 lbs. 100 kg
Display	48 x 30 pixels	48 x 20 pixels
Fonts	12 fonts	12 fonts
Default font	10 in., 5x8 pixels per character 3 lines, max. 8 characters per line	10 in., 5x8 pixels per character 2 lines, max. 8 characters per line
All models		
Power supply	Vehicle alternator, standard External batteries & solar, optional	

Color displays are optional

More details, images and specifications online
www.wanco.com

Arrow Boards
W|ECO® Trailers

Energy efficient

Easy to operate and maintain

15-light and 25-light models

Rugged platform

Meets MUTCD, AASHTO (NTPEP) tested

Wanco arrow boards play an essential role in keeping the work zone safe. Highly visible, easy to operate, rugged and dependable, our arrow boards set the standard. Wanco's new generation of environmentally friendly W|ECO® arrow boards are extremely power-efficient and virtually maintenance free. W|ECO technology benefits the environment without sacrificing performance.

W|ECO® Arrow Board

WTSP-LSA   15-light, 7 arrow patterns
WTSP-LSAC   25-light, 12 arrow patterns

Wanco arrow boards meet the highest standards of quality and performance in the industry.

Our arrow boards use a solar charging system to recharge the batteries that power the display. And our new generation of W|ECO® technology is even more power-efficient than before, with a unique system that uses small, eco-friendly batteries that never need maintenance.

Simple to operate, one person can easily deploy our arrow boards in just minutes.

W|ECO® technology

So energy efficient, it can run on 9 volts.

How does it work? W|ECO products use Wanco's exclusive LED lamps, which consume a fraction of the power of traditional LEDs. For example, a W|ECO arrow board will operate efficiently on a 9-volt battery for several hours.* **Imagine how well it works with W|ECO batteries.**

W|ECO technology consumes less power and uses smaller batteries, resulting in greatly reduced lead content—80% less, when compared to traditional arrow board batteries.

Additionally, W|ECO batteries are fully sealed and will not leak or spill, which is better for the environment. And because they require no maintenance, they have a longer useful lifespan, saving costs associated with replacement.

With a decrease in power consumption, these batteries take less time to charge—5 to 6 hours instead of 24—which saves valuable resources and results in less downtime.

*According to internal testing. 9-volt battery not recommended for street use.
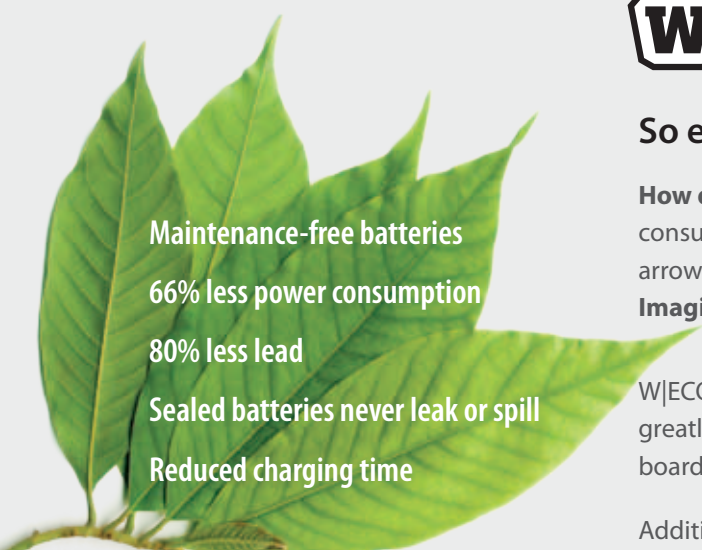
Maintenance-free batteries

66% less power consumption

80% less lead

Sealed batteries never leak or spill

Reduced charging time

Arrow Boards
W|ECO® Trailers

25-light control panel

15-light control panel

Features and Benefits

Operational features

High-output amber LEDs are highly visible

15- and 25-lamp models with up to 12 arrow patterns provide flexibility

Streamlined design is easy to operate and maintain

Heavy-duty hand-winch with safety brake allows one person to raise and lower arrow board

Single locking device holds arrow board in place while operating and during transport

Automatic dimming is standard, manual dimming is optional

Weather-resistant control-box cover has lockable slam-latch

Power system

Positive-drive voltage system applies power to lamps only when lit

Dual PTC resettable fuses, reverse polarity protection and low-voltage-disconnect system protect electrical components

Solar charging system with solid-state voltage regulator and charge indicator

Arrow patterns

25-light models feature 12 flashing, sequential and alternating patterns; 15-light models feature 7 flashing and sequential patterns (see illustration, next page)

Select pattern quickly by pointing rotary knob to pattern indicated on control panel (see photos, above)

Maintenance

Standard 15-inch trailer tires

Standard tow hitch for easy transport

In travel position, unique design supports board without rear supports, reducing possibility of damage during transport

Durable powder-coat finish resists the elements

Control box outputs have short-circuit protection, reducing the likelihood of electrical damage during servicing

W|ECO environmental features

Exclusive design consumes 66% less power than traditional solar arrow boards

Smaller batteries have 80% less lead content

Sealed batteries will not leak or spill, require no maintenance and have a longer useful lifespan, resulting in cost savings over the entire life of the arrow board

Decreased charging time saves energy and downtime

Manufacturing process emits near-zero VOCs and nearly every component can be recycled, helping to protect the environment
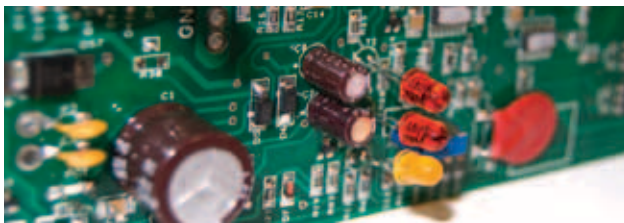
Standards compliance

Meets MUTCD

AASHTO (NTPEP) tested

Travel position

Smart controller circuit

Wanco arrow boards feature a unique design that extends the equipment's useful lifespan. In the travel position, the board is fully supported without rear braces. As a result, it never strikes another surface during transport. This innovation virtually eliminates the damage that other arrow boards endure.

While being towed, arrow boards with rear braces bounce and strike the supports. The impact causes abrasion that can result in corrosion and deterioration, deformation (warping) that reduces angularity while deployed, and stress that breaks bulbs, visors and other components.

Wanco's exclusive "smart" controller keeps the batteries fully charged while protecting them from deep discharge and overcharging.

When the solar panels are operating, the smart controller recognizes whether the batteries need "topping off," and ensures they remain fully charged. With voltage setpoints and charge-temperature compensation, the smart controller helps to maintain good battery health, leading to longer battery life.

Brief Specifications

All models		
Deployed footprint, L x W	86 x 96 in.	218 x 244 cm
Sign board size, H x W	48 x 96 in.	122 x 244 cm
Operating height	135 in.	342 cm
Traveling height	94 in.	237 cm
Weight, approx.	1250 lbs.	567 kg
Tires	15-inch	

Flashing patterns
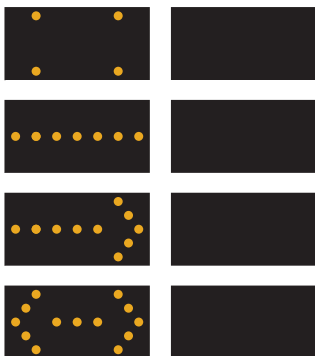
Sequential patterns
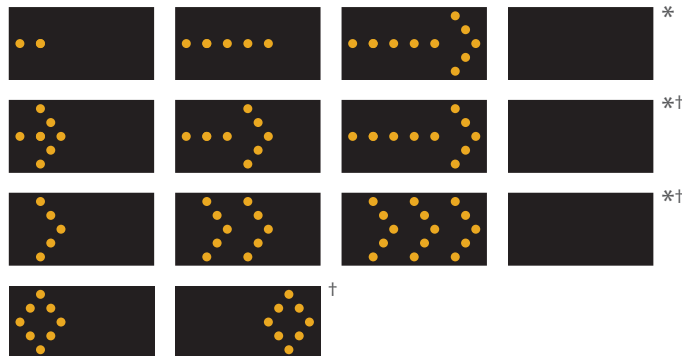
*Left or right †25-light models only

Arrow Boards
Vehicle-Mount

Vehicle-mount arrow boards provide an obvious solution for convoys, crash-cushion (TMA) trucks and emergency repair crews. Available in four sizes, with the same features as our trailer-mount models, Wanco's proprietary LED design provides wide angularity and superior visibility. Wanco also has the largest selection of mounting options available for vehicle-mount arrow boards.

Full-size arrow boards

15-light and 25-light models

Energy efficient

Rooftop, bed and tailgate mounts

Power- and manual-tilt options

Features and Benefits

Easy to operate and maintain

High-output LEDs provide superior visibility

Maximum flexibility with 13, 15 or 25 lamps and 5, 7 or 12 arrow patterns

Mounting options provide alternatives for any vehicle installation

Display modes and pivoting frames operated from inside vehicle for quick access and easy control

Energy-efficient LED technology puts less strain on vehicle batteries

Positive-drive voltage system applies power to lamps only when lit

Optional automatic dimming further conserves power

Optional external-battery power includes solar charging system

Meets MUTCD

Board Sizes

24 x 48 in.	61 x 122 cm
30 x 60 in.	76 x 152 cm
36 x 72 in.	92 x 183 cm
48 x 96 in.	122 x 244 cm

Mounting Options

Manual-tilt (auto-lock) frame

180-degree power-tilt frame

90-degree power-tilt frame

Low-profile 90-degree power-tilt frame

Tailgate bracket

Truck-bed mount

Customer-supplied mounting

Control panel, 12 arrow patterns

Control panel, 5 arrow patterns

Optional controller with LED display

Arrow board with 90° power-tilt frame in travel position

More details, images and specifications online
www.wanco.com

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Arrow Boards
Vehicle-Mount

24 x 48 in. arrow board

90° Power-Tilt Frame

The 90-degree tilt frame allows the board to face traffic, or to face downward when not in use. An electric actuator tilts the frame, controlled with a switch on the arrow-board control panel.

	15-light, 5 patterns	15-light, 7 patterns	25-light, 12 patterns
48 x 96 in.	WFBP8-LA	WFBP8-LSA	WFBP8-LSAC
36 x 72 in.	WFBP6-LA	WFBP6-LSA	WFBP6-LSAC
30 x 60 in.	WFBP5-LA	WFBP5-LSA	WFBP5-LSAC
24 x 48 in.	WFBP4-LA (13-light, 5 patterns only)		

90° Low-Profile Power-Tilt Frame

When stowed, the low-profile tilt frame is less than 16 inches in height. The control panel, installed inside the cab, operates the arrow-board display and tilt frame. An electric actuator tilts the frame.

	15-light, 5 patterns	15-light, 7 patterns	25-light, 12 patterns
36 x 72 in.	WLP90B6-LA	WLP90B6-LSA	WLP90B6-LSAC
30 x 60 in.	WLP90B5-LA	WLP90B5-LSA	WLP90B5-LSAC

180° Power-Tilt Frame

The 180-degree tilt frame allows the board to face forward or backward. The control panel, installed inside the cab, operates the arrow-board display and tilt-frame. An electric actuator tilts the frame.

	15-light, 5 patterns	15-light, 7 patterns	25-light, 12 patterns
36 x 72 in.	WFP180B6-LA	WFP180B6-LSA	WFP180B6-LSAC
30 x 60 in.	WFP180B5-LA	WFP180B5-LSA	WFP180B5-LSAC

Manual Tilt (Auto-Lock) Frame

The auto-lock frame allows the arrow board to be tilted manually. Pulling the spring-loaded locking pin releases the board, which can be tilted 90-degrees downward when not in use. The pin automatically locks the board into position.

	15-light, 5 patterns	15-light, 7 patterns	25-light, 12 patterns
48 x 96 in.	WFB8-LA	WFB8-LSA	WFB8-LSAC
36 x 72 in.	WFB6-LA	WFB6-LSA	WFB6-LSAC
30 x 60 in.	WFB5-LA	WFB5-LSA	WFB5-LSAC
24 x 48 in.	WFB4-LA (13-light, 5 patterns only)		

	15-light, 5 patterns	15-light, 7 patterns	25-light, 12 patterns
48 x 96 in.	WB8-LA	WB8-LSA	WB8-LSAC
36 x 72 in.	WB6-LA	WB6-LSA	WB6-LSAC
30 x 60 in.	WB5-LA	WB5-LSA	WB5-LSAC
24 x 48 in.	WB4-LA (13-light, 5 patterns only)		

No Mounting Kit

An arrow board without a mounting kit is ready to install on your own frame or brackets. All connections for wiring and controlling the arrow board are included.

Brief Specifications

Board size, H x W	Lamp size	MUTCD type
48 x 96 in.	PAR 46	C
36 x 72 in.	PAR 46	C
30 x 60 in.	PAR 36*	B
24 x 48 in.	PAR 36	A
All sizes		
Cable length**	15 ft. 4.57 m	
Power supply	Vehicle alternator, standard External batteries & solar, optional	

*PAR 46 optional for 15-light models. **Custom lengths available upon request.*

Tailgate Mount

The tailgate mount allows the arrow board to be installed in a fixed position on any truck tailgate, either permanently or temporarily. Installation on the tailgate takes only a minute. The control panel, installed inside the cab, operates the arrow-board display.

	15-light, 5 patterns	15-light, 7 patterns	25-light, 12 patterns
48 x 96 in.	WVGB8-LA	WVGB8-LSA	WVGB8-LSAC
36 x 72 in.	WVGB6-LA	WVGB6-LSA	WVGB6-LSAC
30 x 60 in.	WVGB5-LA	WVGB5-LSA	WVGB5-LSAC
24 x 48 in.	WVGB4-LA (13-light, 5 patterns only)		

Truck-Bed Mount

The truck-bed mount is an accessory that allows the arrow board to be installed off the truck bed. Two triangular brackets bolt to the bed and support either the 90° manual-tilt or 90° power-tilt frame, raising it 31 inches.

Arrow Boards
Vehicle-Mount Skids

Full-size arrow boards

15-light and 25-light models

Self-powered

Energy efficient

Pivoting skids or fixed-mount

Skid-mount arrow boards can be affixed to a truck bed or any rigid footing. Featuring an integrated power supply and energy-efficient W|ECO® Technology, these are the most power-efficient and environmentally friendly arrow boards in the industry, able to operate for long periods without wiring to a vehicle battery. A choice of models provides flexibility for almost any vehicle-mount installation.

Standard Pivoting Skid

WSSP55-LSA	15-light, 7 patterns
WSSP55-LSAC	25-light, 12 patterns

Low-Profile Pivoting Skid

WSSP55-LSA(LP)	15-light, 7 patterns
WSSP55-LSAC(LP)	25-light, 12 patterns

Rigid Skid

WS1SB8-LSA	15-light, 7 patterns
WS1SB8-LSAC	25-light, 12 patterns

Features and Benefits

Easy to operate and maintain

High-output amber LEDs provide superior visibility

Maximum flexibility with 15 or 25 lamps and 7 or 12 arrow patterns

Standard, low-profile and fixed-position skids for any vehicle installation

Self-contained power supply with W|ECO Technology ensures improved performance and environmentally friendly operation

Battery powered and solar charging for continuous, uninterrupted operation

No need to run vehicle engine to operate arrow board

Controller on a 30-foot cable can be installed inside vehicle

Positive-drive voltage system applies power to lamps only when lit

Automatic dimming further conserves power

Meets MUTCD

Skid-mount arrow boards feature

W|ECO® Technology
see page 17

25-light control panel

15-light control panel

Standard skid, travel position

Rigid skid

Brief Specifications

Skid-mount arrow boards	Standard		Low-profile		Rigid	
Frame size, W x D	54 x 48 in.	136 x 122 cm	54 x 48 in.	136 x 122 cm	57 x 31 in.	144 x 78 cm
Board size, H x W	48 x 96 in.	122 x 244 cm	48 x 96 in.	122 x 244 cm	48 x 96 in.	122 x 244 cm
Operating height	120 in.	305 cm	87 in.	221 cm	77 in.	195 cm
Traveling height	75 in.	191 cm	44 in.	112 cm	77 in.	195 cm
Weight, approx.	540 lbs.	245 kg	520 lbs.	236 kg	320 lbs.	145 kg

Arrow-Shaped Signs

Low-profile power-tilt frame

Wanco vehicle-mount arrow-shaped signs are constructed of heavy-duty ABS for rigidity and durability.

These signs feature the same ease of use as our other arrow boards, with standard or wide-angle LED lamps, and mounting options that include manually and electrically operated tilt-frames.

The control module has a wiring harness for mounting inside a truck cab.

Arrow-Shaped Signs

WSBLA-14   No frame
WFBLA-14   Manual tilt (auto-lock) frame
WFBLA-14L Low-profile frame

Control panel

Brief Specifications

Arrow-shaped boards		
Arrow pair size, W x H	50 x 29 in.	127 x 72 cm
Cable length	15 ft.	4.57 m
Power supply	Vehicle alternator	

More details, images and specifications online
www.wanco.com

25

Radar-Speed Signs
Speed Trailer

Large, bright LED characters

Easy to transport

Changeable speed-limit sign

See-through design

Battery and solar powered

Featuring the largest portable speed display available, the Wanco speed trailer has a full-matrix display that shows motorists' speed in 26-inch characters, warning them to slow down by flashing their excessive speed. Commonly deployed in school zones, work zones and high-accident areas, these signs provide a degree of traffic calming unmatched by other roadway signs.

Radar-Speed Trailer

WSDT3-S

Features and Benefits

Extra-large full-matrix display clearly shows vehicle speed

Optical lenses and sun shades over 26-inch LED characters

Selectable speed-limit setting

Software-controlled selection of speed units, mph or km/h

Regulatory speed-limit sign with easy-to-change speed-limit numbers

Approach-only K-band radar measures speeds from 5 to 150 mph (8 to 240 km/h), at a distance of up to 1500 feet (450 meters)

Radar unit is CE compliant, FCC approved

Extended height increases visibility

See-through design puts pedestrians in view, improving their safety

Compact, lightweight and easy to transport, can be towed by most vehicles

Battery powered and solar charging for continuous, uninterrupted operation

Locking control box prevents tampering

Options

Programmable 365-day timer for unattended operation

Radar-based traffic data collector records speed, direction, length, date and time of passing vehicles, both approaching and departing (see page 44)

Choice of regulatory sign sizes for greater flexibility in deployment

Brief Specifications

Deployed footprint, L x W	57 x 61 in.	143 x 154 cm
Operating height	123 in.	312 cm
Traveling height	91 in.	231 cm
Weight, approx.	870 lbs.	395 kg
Tires	13-inch	

The Wanco radar-speed trailer features a changeable speed limit sign above an electronic display. Use its control panel to set your desired speed limit, then turn it on. When a motorist exceeds the speed limit, the display flashes the vehicle's speed. For excessive speed, a selectable excessive-speed message flashes SLOW DOWN or any of several preconfigured graphical symbols. Optional flashing red-and-blue lights are also available.

The display includes optical lenses and sun shades over two 26-inch LED characters, producing superior visibility.

The trailer's see-through design puts pedestrians in view, improving their safety—particularly in dangerous, high-risk areas. The solar-powered battery charging system allows longer run times.

Control panel

Travel position
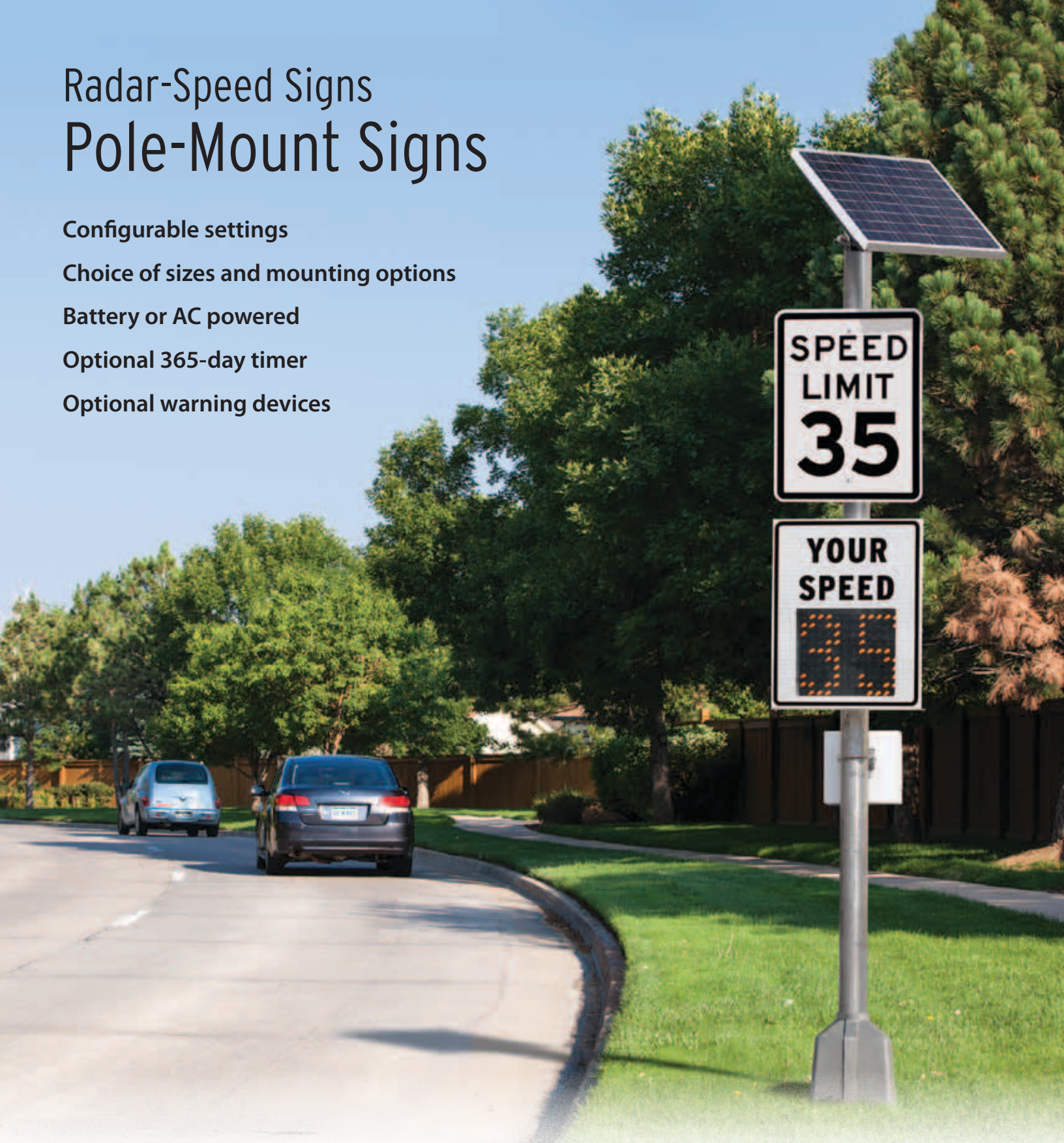
Radar-Speed Signs
Pole-Mount Signs

Configurable settings

Choice of sizes and mounting options

Battery or AC powered

Optional 365-day timer

Optional warning devices

By far the most common application of Wanco radar-speed signs is for traffic calming in locations where motorists regularly travel at unsafe speeds over the posted speed limit, including school zones, neighborhoods, and high-incident locations. Wanco radar-speed signs provide highly visible speed display in an easy-to-use system that warns motorists to slow down.

Large Sign

WSDP3-A   Commercial power
WSDP3-S   Solar power

Small Sign

WSDP1-A   Commercial power
WSDP1-S   Solar power

Wanco radar-speed signs feature configurable settings and input for auxiliary equipment, such as caution beacons. Above the user-configured speed setting, the sign flashes the motorist's speed. At excessive speeds, the sign flashes a user-selected message. Below the speed limit, the display remains blank.

The speed display includes optical lenses and sun shades over bright LED characters, producing superior visibility. The display is available with 13- or 26-inch characters. Both sizes can display two characters for miles per hour and three characters for kilometers per hour.

A typical pole-mount configuration includes the speed display, a control box, battery box, solar panel and all necessary wiring. A regulatory speed limit sign is optional, as are a variety of auxiliary devices.

Features and Benefits

Configurable speed settings and operating modes

Optical lenses and sun shades over high-output LED characters ensure outstanding visibility and legibility

Choose either 13-inch or 26-inch character size to suit the application

Display flashes vehicle's speed if above the set speed limit

Display flashes user-selected "excessive speed" message if a vehicle exceeds 130% of the set speed limit

Approach-only K-band radar measures speeds from 5 to 150 mph (8 to 240 km/h), at a distance of up to 1500 feet (450 meters)

Software-controlled selection of speed units, mph or km/h

Radar unit is CE compliant, FCC approved

Signs feature standard mounting for a 4½-inch diameter round pole

Commercial AC powered, or battery powered with solar-based charging system

Regulator shuts down solar charging system when batteries are fully charged, preventing damage

Weather-resistant steel box houses electronics and control panel, which includes LED status indicators

Standard aluminum enclosure houses batteries, and features a police-lock for security

Options

Programmable 365-day timer for unattended operation

Radar-based traffic counter, records speed, direction, length, date and time of passing vehicles, both approaching and departing (see page 44)

Red-and-blue flashers, factory-installed inside speed display cabinet, activated with excessive-speed message

Flashing caution beacons, user-installed on pole

Aluminum pole, 4-inch diameter (4½-inch OD), 14 feet tall, with pedestal base

Control panel

Brief Specifications

Character size	Enclosure size, W x H x D	
13-inch	24 x 30 x 5 in.	61 x 76 x 13 cm
26-inch	36 x 36 x 5 in.	91 x 91 x 13 cm
Power system options		
Commercial power	110/120 V ac, hard-wired	
Battery/solar	12 V dc battery power, 70 Ah battery capacity, solar charging system	

Portable Light Towers

Portable light towers are ideal for wide-area outdoor lighting in a variety of construction, commercial and special event applications.

On the job site, lighting saves lives. New government regulations will specify more and better lighting for night work. Wanco portable light towers provide the solution.

Wanco light towers are perfect for any application where portable lighting is required. Compact, highly functional and easy to use, Wanco light towers are designed for optimum performance and maximum efficiency, engineered with attention to detail, best-in-class finish and top quality materials.

Solar Light Towers   Diesel Light Towers

Portable Light Towers
Solar

Wanco Portable Solar Light Towers provide bright white lighting at the flip of a switch. No light tower on the market today is as easy to use.

Powered by batteries that are charged using solar panels, these eco-friendly light towers are silent, produce no fumes, and require almost no maintenance. During daylight hours the sun recharges the batteries, and at night you use that power to light up your space.

To provide adequate illumination, solar light towers use energy-efficient LED lights that are surprisingly bright and suitable for a vast array of applications.

Solar Light Tower
WLTS

Silent operation

Bright energy-efficiency lights

Battery powered

Automatic solar charging

Manual and automated operation

Travel position

Features and Benefits

Bright energy-efficiency lights use less power than metal halide lamps, producing greater illumination per watt of power consumption

Four-light models can be expanded to eight lights with ease

Telescoping 20-foot mast is raised and lowered with one hand-operated winch

Tower rotates 360 degrees, and lights can be operated at any height, reducing the need to move the trailer

Automatic operating modes controlled by photocell or motion detector

Manual operating mode at the flip of a switch

Silent operation with battery power and automatic solar charging—no refueling and virtually no maintenance

Choose larger battery bank or solar array for added power

Sealed AGM batteries are maintenance-free and are better for the environment

Adjustable-tilt solar panels for optimized charging year-round

Four leveling jacks and a low center of gravity provide stability

Secure battery box resists tampering with heavy-duty deterrents

Secure battery box

Wanco solar light towers are equipped with a secure battery box that features heavy-duty cover, hinges and padlocks, and an optional lockable crossbar.

Brief Specifications

Physical		Small trailer		Large trailer	
Deployed footprint, L x W		154 x 78 in.	391 x 198 cm	200 x 80 in.	508 x 202 cm
Operating height	max.	240 in.	610 cm	240 in.	610 cm
	min.	109 in.	276 cm	109 in.	276 cm
Traveling height		109 in.	276 cm	109 in.	276 cm
Weight, approx.		1680 lbs.	762 kg	1960 lbs.	889 kg
Tires		15-inch		15-inch	
Lights		All models			
Lamps		Four or eight LED fixtures			
Luminosity		4600 lumens per fixture*			
Power draw, approx.		48 watts per light fixture*			

Due to improvements in LED technology, light fixtures are subject to change. For more information, contact the factory.

Portable Light Towers
Diesel

High-output light fixtures

Uniform illumination

**Compact and easy to tow**

Easy to transport

Proven design

Wanco diesel light towers feature four high-output light fixtures that provide a uniform light pattern and the most illumination for the wattage.

For faster job-site setup and less downtime, each light can be aimed independently without the use of tools, and the lights stay in place once positioned. Two winches raise and extend the tower, with both power- and hand-operated winches available. The tower rises up to 30 feet and rotates 360 degrees, eliminating the need to move the trailer frequently. The lights can operate at any height.

The power system includes a choice of low-RPM Tier 4i diesel engines and high-quality four-pole generators. A 30-gallon fuel tank provides extended run times of 60 to 70 hours between refueling, depending on environmental influences.
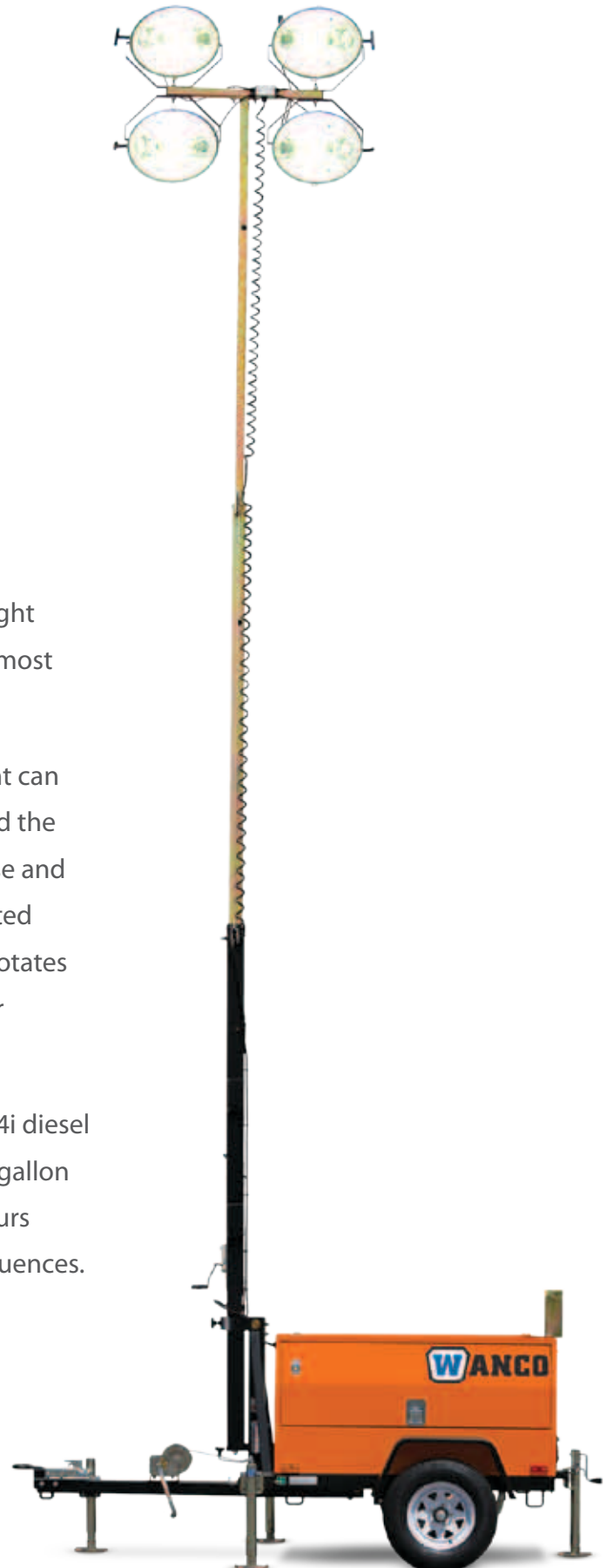
Diesel Light Tower
WLTC4

Features and Benefits

High-output fixtures feature high-intensity parabolic reflectors that increase illumination and create a bright, uniform light pattern

Four light fixtures can be aimed independently without the use of tools, and stay in place once positioned

Durable fixtures resist shock, resulting in a longer lifespan

Unique lamp design increases filament life and keeps maximum light on the job longer, providing greater visibility, increasing productivity and improving safety

Two winches raise and extend the tower, allowing easy deployment by one person

Tower rotates 360 degrees, and the lights can be operated at any height, reducing the need to move the trailer

Lockable, weather-resistant, steel cabinet protects components

Two outriggers and four leveling jacks provide stability

Control panel features an elapsed hour meter, a 120-volt GFCI receptacle for powering external equipment, and individual circuit breakers for protection

Tier 4i diesel engine with glow-plug preheat system for improved cold-weather starting

Automatic engine shutdown system protects engine from damage due to low oil pressure and high coolant temperature

Fuel capacity of 30 gallons provides extended run times of 60 to 70 hours between refueling, depending on environmental influences

Exclusive hinged top panel provides unimpeded access to engine, generator and electrical components

Brief Specifications

Physical		
Deployed footprint, L x W	127 x 112 in.	321 x 285 cm
Operating height max. min.	360 in. 150 in.	914 cm 381 cm
Traveling height	66 in.	168 cm
Operating weight, approx.	1800 lbs.	815 kg
Tires	13-inch	
Lights		
Lamps	Four metal halide	
Luminosity	0.5 fc @ 7.5 ac.	5.4 lm/m² @ 30,400 m²
Wattage	1000 W per lamp	
Output	**60 Hz models**	**50 Hz models**
Power	6 kw	6 kw
Current	50 A @ 120 V	25 A @ 240 V
Frequency	60 Hz	50 Hz
Voltage regulation	±5%, no load to full load	

Travel position

Engine access with maintenance panel open

Wanco has created a unique innovation that greatly improves serviceability. For complete access to the engine, generator and electrical components, Wanco light towers feature a hinged top panel that rises with the mast when maintenance is required. No other manufacturer makes engine access this easy.

KOHLER **Kubota**

Portable Signs
Fold-n-Go™ Trailers

Sign sizes

Standard trailer, W x H

Top:	36 x 24 in.
Middle:	36 x 48 in.
Bottom:	36 x 18 in.

or

Top:	48 x 24 in.
Middle:	48 x 48 in.
Bottom:	48 x 18 in.

Tall trailer, W x H

Top:	36 x 48 in.
Bottom:	36 x 18 in.

XT trailer, W x H

Top:	48 x 12 in.
Middle:	48 x 60 in.
Bottom:	48 x 20 in.

Standard Trailer

36-inch sign width

WFNG-36-2F	Two beacons
WFNG-36-4F	Four beacons

48-inch sign width

WFNG-48-2F	Two beacons
WFNG-48-4F	Four beacons

Wanco Fold-n-Go™ trailers provide a platform for displaying temporary signs. Extremely compact and portable, these trailers offer easy roadside placement, quickly and easily folding for transport. A variety of sign sizes can be attached, made more visible with bright, flashing beacons or strobe lights.

Quick setup and takedown

Compact and easy to tow

Flashing beacons

Solar charging system

Built to meet state requirements

Travel position

Tall Trailer
WFNG-4F

XT Trailer
WFNG-2F

Features and Benefits

Simple design allows for quick setup and takedown

Multiple sign sizes and positions allow adaptability for any application

See-through trailer design improves worker safety in high-risk areas

Optional battery-powered beacons attract attention, increasing visibility

Integrated solar panels charge the batteries, increasing uptime without intervention

Control box includes a solar charging system regulator and, on 4-beacon models, provides a choice of flash-patterns

Low-voltage-disconnect circuit protects batteries

Locking battery and control boxes deter theft and vandalism

Options

Two or four LED flashing lamps for increased visibility

Alternating flash pattern and, for models with four lamps, wig-wag flash pattern

Higher-wattage solar panels

High-output flashing LED strobe lights (as shown on XT trailer, left)

Standard and Tall trailers feature

WECO® Technology
see page 17

Brief Specifications

	Standard trailer		Tall trailer		XT trailer	
Deployed footprint, L x W	100 x 74 in.	254 x 188 cm	100 x 74 in.	254 x 188 cm	100 x 74 in.	254 x 188 cm
Operating height	126 in.	320 cm	152 in.	386 cm	165 in.	419 cm
Traveling height	73 in.	185 cm	106 in.	269 cm	120 in.	305 cm
Weight, approx.	700 lbs.	318 kg	800 lbs.	363 kg	900 lbs.	408 kg
Tires	15-inch		15-inch		15-inch	

More details, images and specifications online
www.wanco.com

Caution Beacons
Kits & Components

Kits for common applications

Wide selection of individual components

Permanent and temporary installations

Solar charging system or commercial power

Simple controls

Wanco caution beacons are the right choice for school zones, construction sites and other areas that require motorists' attention. Bright beacons and simple controls, combined with a variety of options, make Wanco beacons ideally suited for any application. Choose from preconfigured kits, or select individual components as needed.

3-head school-zone kit

Aluminum and steel enclosures

Timer and flasher/regulator

Wanco beacons can be permanently mounted in school zones and other high-risk areas, or installed in temporary work zones. They use bright LEDs, feature state-of-the-art technology and are immediately visible when flashing. Simple controls and a variety of options make Wanco caution beacons easy to use. Automatic night dimming improves efficiency, and the optional 365-day timer allows for programmable operation.

Choose from preconfigured kits for permanent or temporary installations, or select only the components you need. Improve pedestrian and worker safety with Wanco caution beacons.

Temporary solar kit

Features and Benefits

Kits are available in a variety of configurations for temporary and permanent installations, with beacons, batteries, solar panels, timers and more

Alternatively, choose only the individual components necessary for the application

12-inch and 8-inch beacons with bright, power-efficient LED lamps for flexibility and visibility

Beacons meet MUTCD for flash rate, lamp size and color

Use commercial AC power, or battery power with solar-panel charging system

Solar panels charge batteries automatically without intervention

Regulator shuts down solar charging system when batteries are fully charged, preventing damage

Standard aluminum enclosure houses electronics and battery

Optional heavy-duty battery box is made of steel

The aluminum enclosure features a police-lock; the steel box can be bolted down and locked with hasps and padlocks

Beacon Kits

	Permanent mount			Temporary installation	
	3-head kit WCBSZ-55-3L	2-head kit* WCBPM-110-2L	1-head kit WCBPM-55-1L	55-watt solar kit WCB-1255L	85-watt solar kit WCB-1275L
12-inch beacon head	2	2	●	●	●
8-inch beacon head	●				
AGM battery	2	2	2		
Flooded battery				2	2
55-watt solar panel	●	●	●	●	
85-watt solar panel					●
365-day timer	●				
Alternating flasher	●	●	●		
Solar regulator	●	●	●	●	●
Low-voltage disconnect	●	●	●	●	●
Aluminum enclosure	●	●	●		
Steel enclosure				●	●

Kits contain items indicated, quantity of one unless otherwise noted.
*2-head kit intended for 24-hour operation

Brief Specifications

Beacon heads	
Lamp	Amber LED, lens in lamp
Size	12-inch standard head, 8-inch rear head
Construction	Yellow polycarbonate
Visor	Tunnel type, extends 12 inches from door surface

Configuration options
Pole-mount aluminum control/battery box, or steel battery box for temporary installations
Commercial power, or solar powered battery-charging system with a choice of solar panels
Alternating flasher with solar regulator and automatic low-voltage-disconnect circuit
365-day programmable timer for programmable operation
Aluminum pole, 4-in. dia. (4.5-in. OD), 14 feet tall with pedestal base, ready for installation
Regulatory signs

More details, images and specifications online
www.wanco.com

Wanco
Portable Surveillance

In the transportation industry, networked video surveillance is a vital component of an ITS application. Wanco Portable Surveillance provides remote site monitoring in a compact, mobile and completely self-contained unit. Where no permanent cameras are installed, Wanco Surveillance augments any video network with quick and easy deployment and an array of remote-access capabilities.

Wireless remote viewing and monitoring

Integrates with existing video networks

Continuous unmanned operation

Easy to transport

Completely self-contained

Portable Surveillance

WCTBS1040   Battery and solar power system
WCTYS1040   Hybrid diesel-solar power system

For construction projects, accidents, inclement weather and traffic-flow problems, the ability to quickly deploy a self-contained, temporary surveillance system means providing an additional measure of safety for workers, responders and the public.

Wanco Portable Surveillance requires no external power source or connections. It deploys quickly and easily, and almost anyone can use it without training. Wanco Surveillance can be integrated into an existing video network as well, adding flexibility and expanding system capacity. Access Wanco Surveillance from anywhere, wirelessly, in real time.

Features and Benefits

Industrial-grade equipment, designed to withstand the rigors of travel, harsh environments and temperature extremes

Onboard power supplied by batteries, while a solar or hybrid diesel-solar charging system provides for continuous, unmanned operation

Wireless remote control of pan-tilt-zoom day/night camera

Remote communications via your computer, an Internet connection and the Portable Surveillance cellular router

Intuitive controls can be operated by people who are not computer savvy

Set up camera presets and automated "touring"

Monitor fleet health in real time, chart numerous variables including voltages, temperatures, fuel level and more

On an internal network, multi-level password protection limits access to authorized personnel

Live video can be fed (via FTP) to internal or public Web sites

Remote communication, integrated power supply and power management system are all configured at the factory to simplify deployment

Compact design allows towing without removing or storing camera

Remote video access using Axis® Video Server software

Brief Specifications

Camera	Vicon® Surveyor™ or Axis® Q60 series clear-domed, pan-tilt-zoom (PTZ) day/night camera
Camera height	Up to 29 ft. (8.8m)
Power system	Battery-powered with solar or hybrid diesel-solar charging system
Popular options	Choice of wireless communications (4G/3G, RF, Wi-Fi, WLAN, 802.11 and more) Onboard digital recording Choice of cameras Multiple cameras GPS

More details, images and specifications online
**www.wanco.com**

Accessories
Remote Communications

Wanco's Remote Communications System

provides the ability to monitor, program and control Wanco message signs from a remote location. Wireless remote communication with the sign saves travel time, enhances safety and reduces the need for training of off-site personnel.

Remote monitoring, control, management and diagnostics

Cellular data-transfer technology

Multiple I/O for vehicle telematics

GSM/GPRS or CDMA technology

Compatible with NTCIP central systems

Can be installed on any Wanco message sign
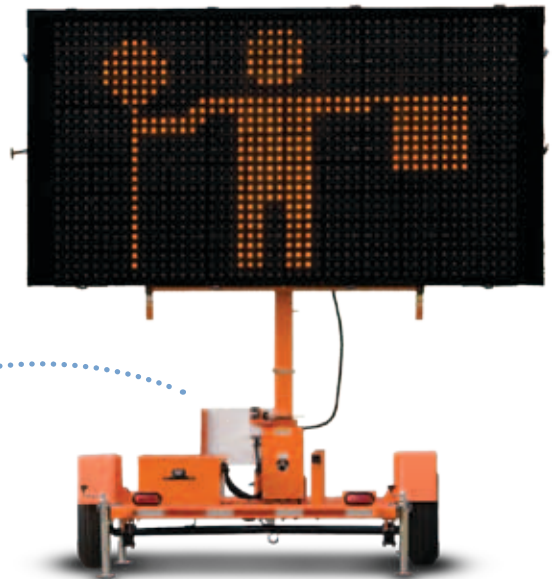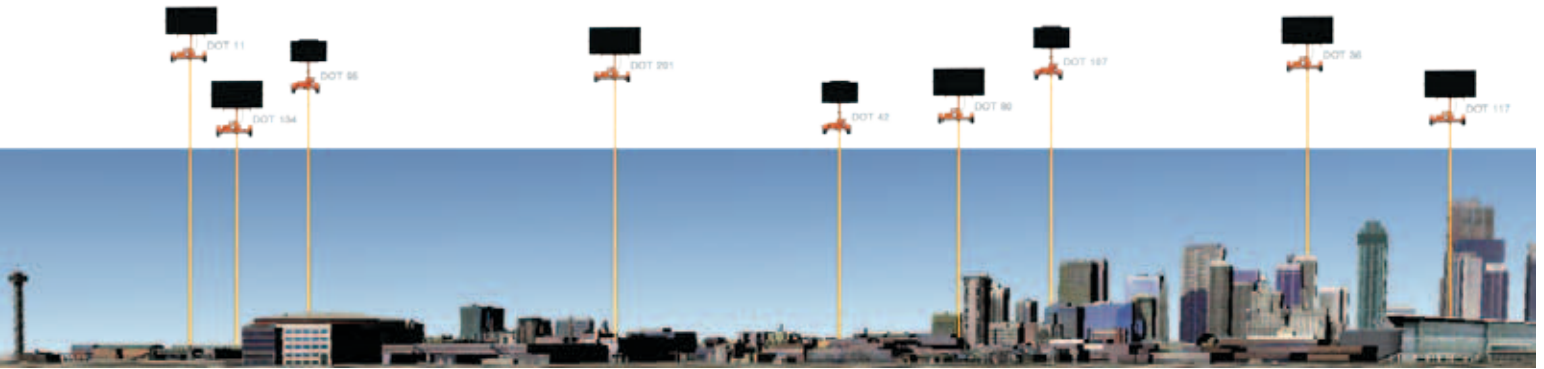
Wanco's Global Positioning System

provides all the functionality of Remote Communications System (opposite page), and adds intelligent asset tracking. GPS provides message sign location and fleet management, with no need for an additional cellular service plan.

Equipped with a high-sensitivity GPS chip, Wanco GPS ensures precise location data for all your Wanco variable message signs.

Remote monitoring, control, management and diagnostics

High-accuracy GPS receiver

Cellular data-transfer technology

Remote control of sign messages

Compatible with NTCIP central systems

Access any Wanco message sign wirelessly, using an Internet-connected computer running Microsoft® Windows® and Internet Explorer® software.

Wanco's NTCIP remote-access software provides connection information and message sign status, and allows the operator to view and modify the message displayed on the sign.

With more than one message sign, operators can check information about an entire fleet of equipment (see page 47). Easily view electrical and temperature data, power levels, alarms and warnings, or access accessories such as GPS and traffic data.

Accessories
Traffic Data Collector

The Wanco Traffic Data Collector provides a safe, non-intrusive method for monitoring and analyzing traffic patterns. Employing side-fire radar to measure vehicle speed and length, the Wanco Data Collector uses no wires, loops or hoses. Analytic graphing software is included, to make charting traffic data easy.

Collects and classifies traffic data

Nonintrusive and safe to install

Analytic graphing

Data analysis for any purpose

Remote access with optional modem

Features and Benefits

Tool for traffic engineers to investigate lane flow, speed and density

Use collected data to make decisions and recommendations for managing traffic

Investigate and validate complaints from citizens, neighborhoods and contractors

Planners can back up needs and recommendations with real data

Decide when to put police on the roads

Prove the need for traffic controls

Low-cost solution

Nonintrusive, no disturbance of traffic flow during installation or use

Radar-based design is less dangerous to install than loops and hoses

Most effective for two-lane roads

Counts both approaching and departing vehicles

Side-fire radar system captures date and time, traffic volume, and vehicle speed, direction and length

Registers more than 1 million vehicles in internal memory

Analytic graphing application charts count vs. speed, volume over time, and means & percentiles

Durable enclosure is weathertight, lockable and portable

No exposed components, installed enclosure is inconspicuous

Can be added to virtually any Wanco product—speed trailers, message signs, beacon kits and more

Accessories
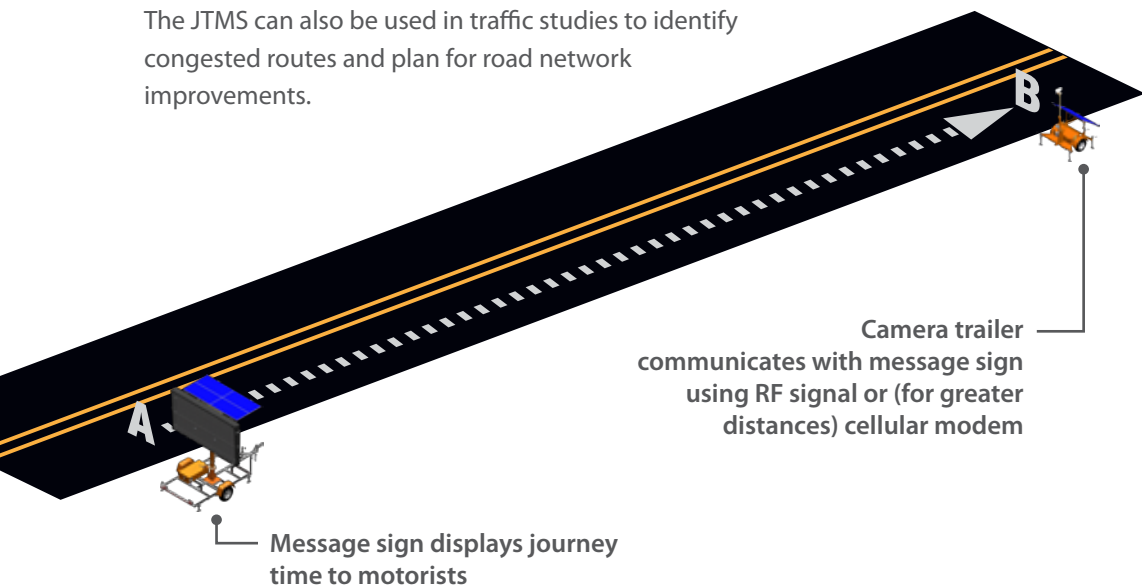# Journey Time Measurement System

The ITS-compatible Wanco Journey Time Measurement System identifies and matches vehicles at two or more points in a road network, and calculates the journey time for each defined road segment. The system then provides feedback to motorists using a variable message sign to inform them of road conditions.

The Wanco Journey Time Measurement System (JTMS) calculates travel time dynamically using the 3M™ Spikelet camera and processor. The JTMS provides real-time monitoring of road network performance, enabling the road authority to optimize its use, management and operation.

JTMS algorithms automatically filter vehicles that are traveling through the network at either a much faster rate than normal traffic (such as emergency vehicles) or at a much slower rate (vehicles making frequent stops along their journey) to ensure the reported travel time accurately reflects normal traffic behavior.

When integrated with a variable messaging sign, the JTMS is a powerful tool for reducing congestion by alerting drivers of potential delays. The JTMS can also be used in traffic studies to identify congested routes and plan for road network improvements.

License plate recognition works day and night

Camera trailer communicates with message sign using RF signal or (for greater distances) cellular modem

Message sign displays journey time to motorists

License plates are logged with other relevant data

When a vehicle passes the messages sign (point A, diagram above), a camera views its license plate and the software logs it. When the same vehicle passes the camera trailer (point B), a signal is sent to a computer at the message sign and the travel time is logged. The software then triggers the sign to display a user-configured message, which tells motorists how long their journey will take.

Services
Wanco Cellular Service

We provide cellular service for wireless remote communication with your Wanco equipment. Let us configure your modems, your communications and your cellular service for you, all in a single step with simple billing. Avoid the complications and delays that can otherwise occur.
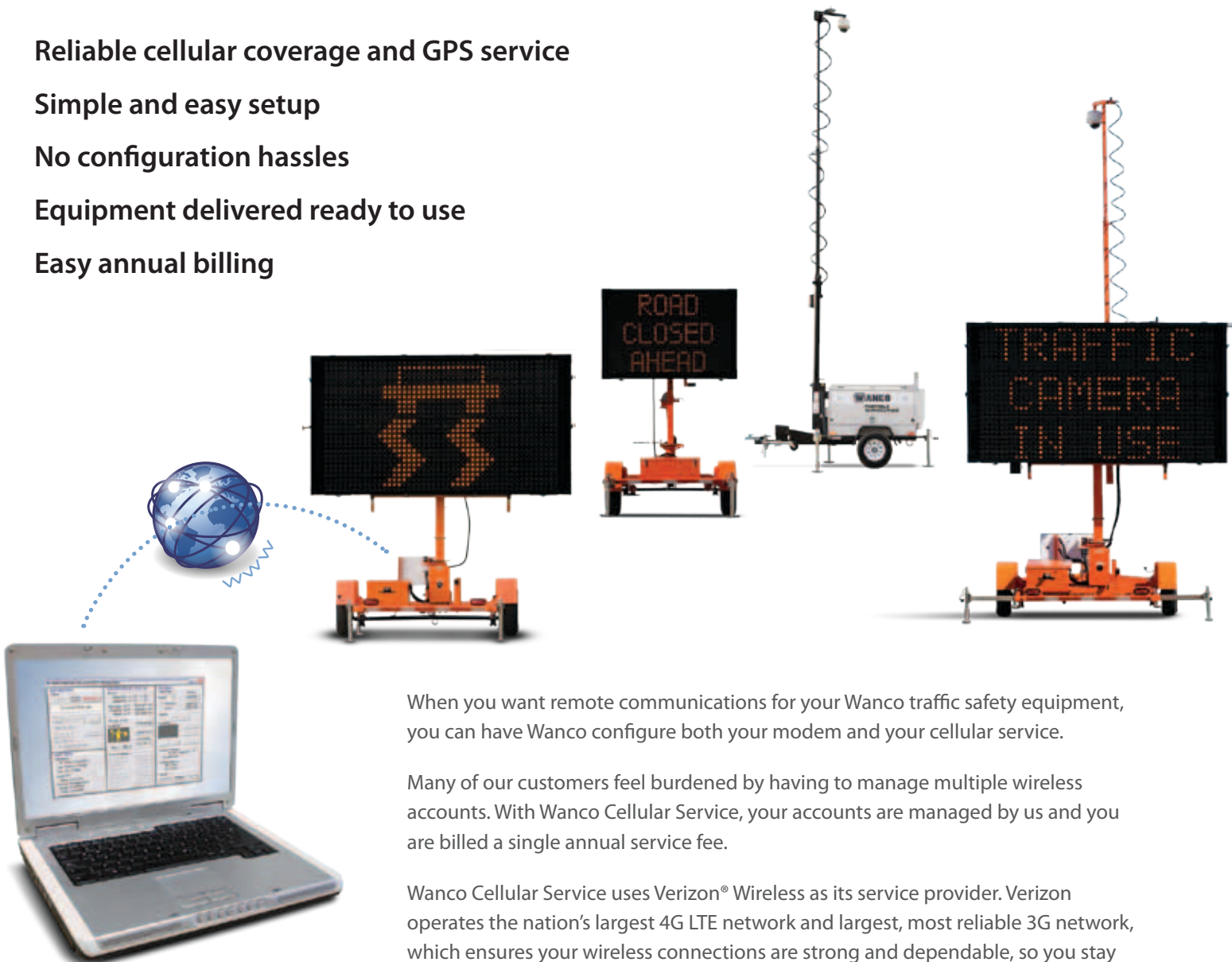
Reliable cellular coverage and GPS service

Simple and easy setup

No configuration hassles

Equipment delivered ready to use

Easy annual billing

When you want remote communications for your Wanco traffic safety equipment, you can have Wanco configure both your modem and your cellular service.

Many of our customers feel burdened by having to manage multiple wireless accounts. With Wanco Cellular Service, your accounts are managed by us and you are billed a single annual service fee.

Wanco Cellular Service uses Verizon® Wireless as its service provider. Verizon operates the nation's largest 4G LTE network and largest, most reliable 3G network, which ensures your wireless connections are strong and dependable, so you stay connected to your equipment, wherever it is.

Services
Wanco Fleet Manager

Wanco Fleet Manager provides the fleet tracking and management solution you need for all your Wanco traffic safety equipment. With this interactive online tool, you have everything you need to make necessary changes based on accurate, up-to-date information.

Remote access through the cloud

Accurate and real-time data

Message management

Mass-message broadcast

Temperature and electrical system graphs

Maximize the value of your traffic safety assets by remotely accessing your fleet of Wanco message signs. Remote access saves time, improves safety and reduces the need for training of off-site personnel.

Using a computer with an Internet connection, see your entire fleet, create lists and groups of equipment, and manage equipment individually or in groups. Add and remove equipment to Fleet Manager as needed. Monitor and change messages on message signs, send mass-message broadcasts to multiple signs, and more.

Wanco Fleet Manager provides real-time access to equipment health information, including battery charge, alarms and a variety of electrical and physical information.

Graphing capability shows you electrical and temperature data in charts that are easy to read.

GPS mapping lets you locate and identify your fleet and individual pieces of equipment. Geofencing lets you designate areas that your vehicles are allowed or not allowed, with configurable alarms that are triggered when designated areas are breached.
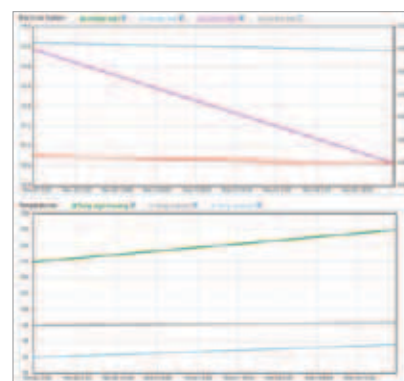
More details, images and specifications online
www.wanco.com

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Wanco
Financing

Free up your cash by financing your capital equipment purchases. Builders, contractors and rental businesses across the country continue to use equipment financing to increase margins and grow their enterprises.

Wanco Financing provides several options to suit your business plan and cash-flow requirements. Special programs can be tailored to your individual needs. Whether you choose a no-interest deferred payment plan or long-term financing at a low interest rate, at the end of the term the equipment is yours—no end-of-term buyouts.

Fast and easy approval makes your Wanco equipment purchase simple. Talk with your sales representative about your specific requirements and send us a completed Wanco Financing application. In most cases, a financing specialist will respond within hours.

Details and credit application online
www.wanco.com

Service and Support

Wanco is proud to offer the best customer service and support in the industry. Our service department consists of knowledgeable, dedicated personnel who want to help.

Whether you need product support, replacement parts, troubleshooting or repair, our service personnel are here for you. When necessary, troubleshooting and repair are completed in-house, with quick turnaround times and low repair costs. We are pleased to service any Wanco product, regardless of age or warranty status.

We are here to assist you. Please contact us if you have any questions, issues or comments.

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WANCO®

Industry leadership is more than just selling the most equipment. It means serving the industry, exercising responsibility and setting a strong example of excellence in every aspect of business.

At Wanco, we are committed to making the industry better.

With a reputation for service and integrity, Wanco products feature superb functionality, unique features, versatility and dependability.

We pride ourselves on producing high-end, top-quality products that are easy to use. We are focused on reliability and the simple proposition that quality products make more money for the dealer and provide more value for the user. We take a comprehensive approach to the design, development and support of our products.

To learn more, visit us online at **www.wanco.com** or contact us by calling **1-800-972-0755**. We look forward to serving you.

Wanco is proud to be a member of the American Traffic Safety Services Association and an associate member of the American Rental Association

Orders • Parts • Service • Support

800-972-0755
info@wanco.com

More details, information, and specifications online
www.wanco.com