WANCO
TRAFFIC SAFETY

WANCO®

Driving traffic safety.

800-972-0755
www.wanco.com

Variable Message Signs
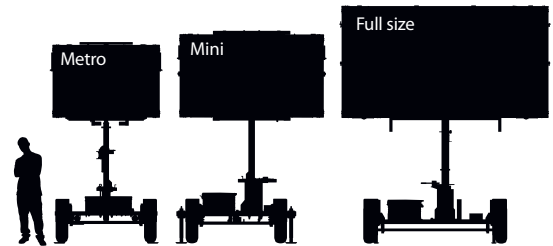## Full Matrix and Three-Line

Many sizes and configurations to choose from

Every sign has an onboard controller

Easiest programming in the industry

Low power consumption and more uptime

All signs are NTCIP-compliant

Metro Mini Full size

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, special events and more. A choice of sizes, displays, functions and other options make these signs extremely versatile.

Mini Matrix Sign with Remote-Video Monitoring System

Full-Size Three-Line Sign

Medium Truck-Mount Matrix Sign

Medium Metro™ Matrix Sign

Wanco's full-color touchscreen controller provides access to all message sign functions. Widely known as the industry's easiest to use, features include capacitive response, multi-level password protection, large virtual buttons and easy message selection.

		Matrix signs		Three-line signs		Metro™ matrix signs		5-color sign*	Truck-mount signs	
		Full-size	Mini	Full-size	Mini	Large	Medium	Mini	Large	Medium
Deployed footprint	in. (cm)	186 × 126 (473 × 320)	143 × 96 (362 × 244)	186 × 126 (473 × 320)	143 × 96 (362 × 244)	55 × 96 (139 × 244)	55 × 71 (139 × 180)	143 × 104 (362 × 264)	102 × 25¾ (259 × 65)	84¾ × 25¾ (215 × 65)
Display cabinet size	in. (cm)	138 × 75 (351 × 190)	96 × 55 (244 × 140)	138 × 75 (351 × 190)	96 × 55 (244 × 140)	96 × 48 (244 × 122)	71 × 48 (180 × 122)	104 × 59 (264 × 150)	97⅜ × 48¾ (247 × 124)	82⁷⁄₁₆ × 48¾ (209 × 124)
Operating height	in. (cm)	159 (404)	142 (361)	159 (404)	142 (361)	134 (340)	134 (340)	145 (367)	52 (132)	52 (132)
Travel height	in. (cm)	105 (265)	103 (262)	105 (265)	103 (262)	92 (232)	92 (232)	104 (264)	14½ (37)	14½ (37)
Weight, approx.	lbs. (kg)	2640 (1193)	1580 (717)	2640 (1193)	1580 (717)	1500 (680)	1400 (635)	1763 (800)	265 (120)	220 (100)
Display		48 × 27 pixels	48 × 27 pixels	3 lines of 8 characters	3 lines of 8 characters	60 × 30 pixels	48 × 30 pixels	60 × 32 pixels	56 × 28 pixels	48 × 28 pixels
Fonts		12	12	1	1	12	12	12	12	12
Power		Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Vehicle alternator	Vehicle alternator

All dimensions are L × W or W × H. For larger sign sizes, visit www.wanco.com. *Colors: Red, Blue, Green, Amber, White
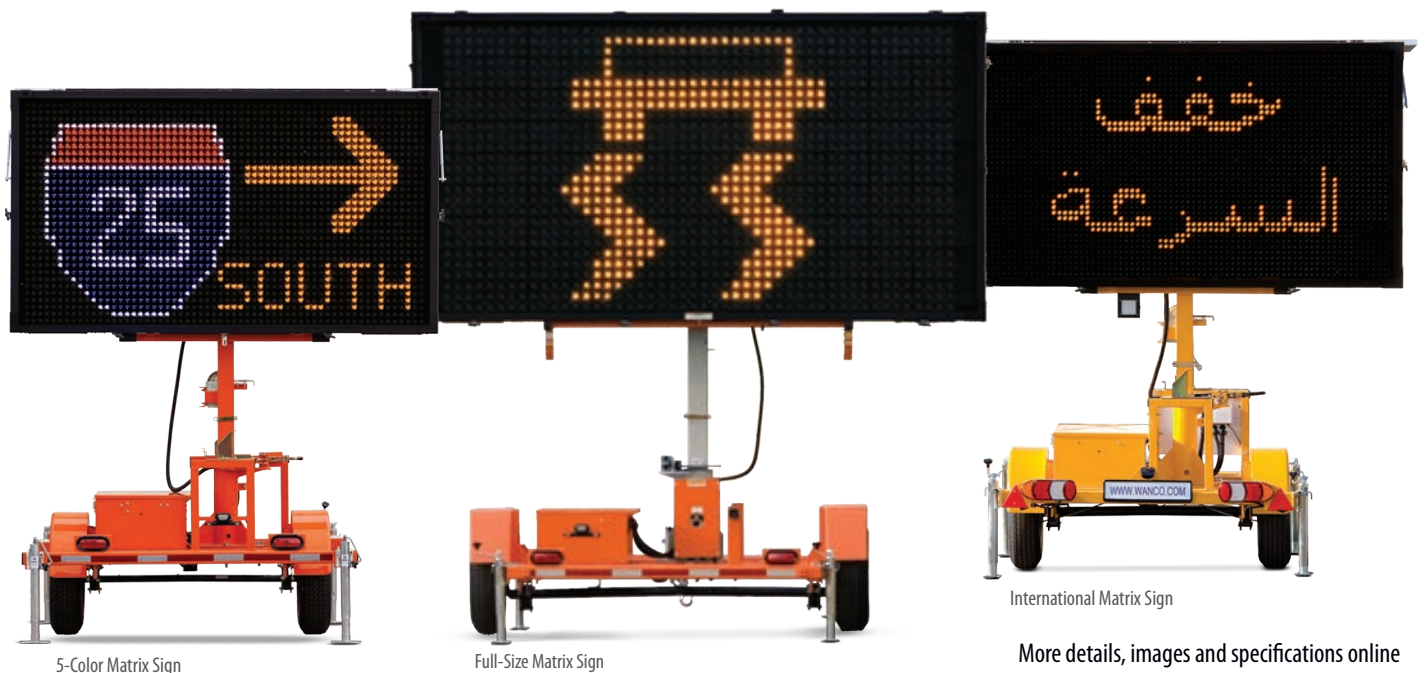
5-Color Matrix Sign

Full-Size Matrix Sign

International Matrix Sign

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

3

Wanco Cellular Service

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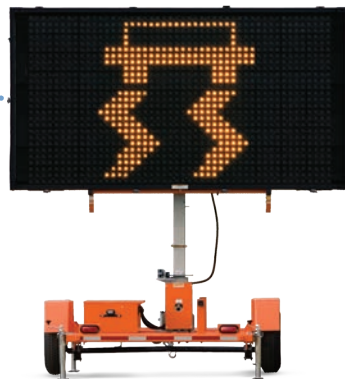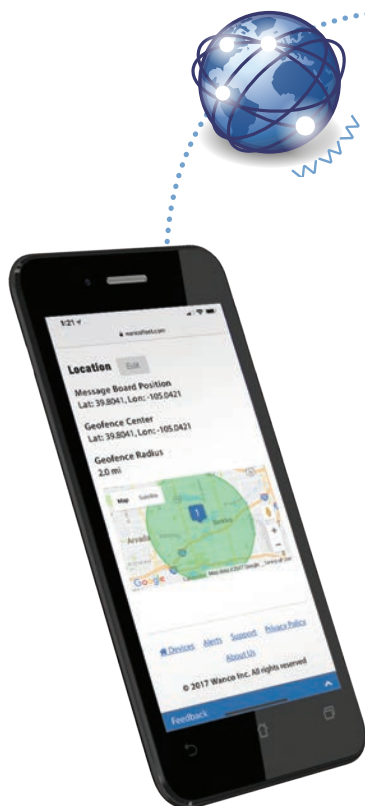
Reliable cellular coverage and GPS service

Integration with ITS systems

No configuration hassles

Equipment delivered ready to use

Easy annual billing

When you want remote communications for your Wanco traffic safety equipment, ask us to configure your system with Wanco Cellular Service. All of your accounts are managed by Wanco and you are billed a single, annual service fee.

Wanco Cellular Service uses embedded cellular modems and a Verizon® Wireless private network to ensure the highest degree of network security. Because Verizon operates the nation's largest 4G LTE network, your wireless connections will always be strong and dependable.

Wanco Fleet Manager

Wanco Fleet Manager provides the fleet tracking and management solution you need for all your Wanco Variable Message Signs. With this interactive online tool, you have everything you need for making 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 equipment to Fleet Manager and remove equipment 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 temperature and electrical-system 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 where your equipment is allowed, with notifications and configurable alarms that are triggered when boundaries are breached.
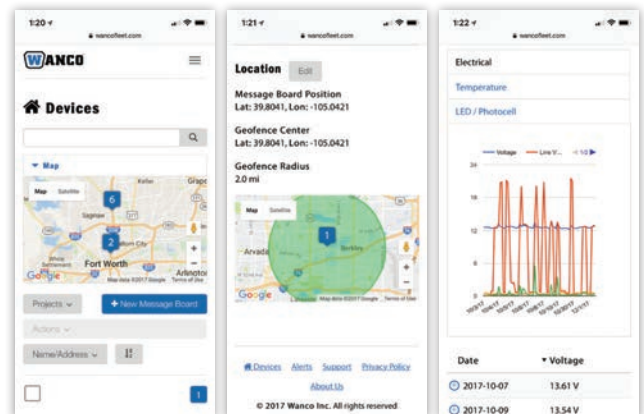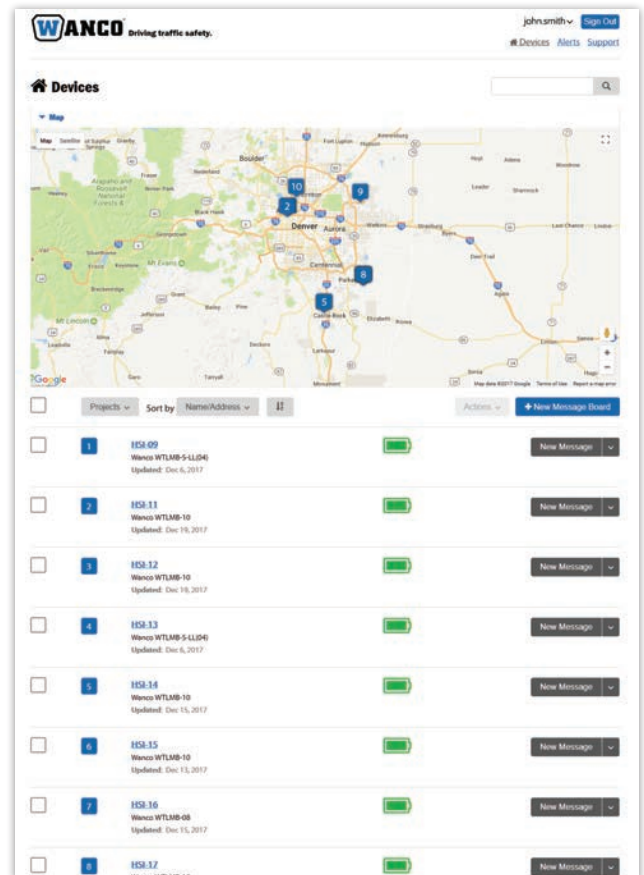
Arrow Boards
Trailers, Skids & Truck-Mounts

Trailers and skids feature

W|ECO® Technology

Learn more at wanco.com

15-light and 25-light models

Folding and vertical-mast trailers

Wide selection of truck-mount options

Energy efficient

Easy to operate and maintain

Compact design fits 15 folding arrow boards on a truck

Wanco Arrow Boards play an essential role in keeping the work zone safe. Highly visible, easy to operate, rugged and dependable, Wanco Arrow Boards set the standard. Wanco has a wide range of arrow boards to fit your specific needs, including models with environmentally friendly W|ECO® Technology, the most power-efficient arrow boards in the industry.

Truck-Mount Arrow Board

Vertical-Mast Arrow Board Trailer

Folding Arrow Board Trailer

Arrow board model codes, page 18

Arrow-Shaped Sign with Low-Profile Tilt-Frame

25-light

15-light

12 arrow patterns

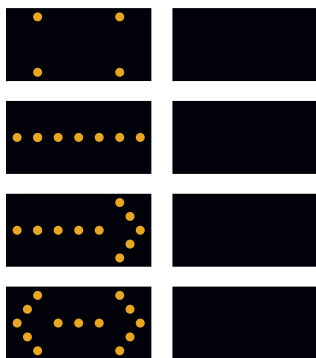7 arrow patterns

5 arrow patterns

Wireless touchscreen

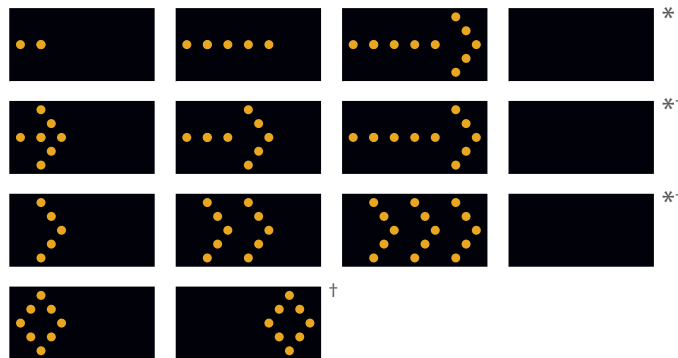## Trailer- and skid-mounted controllers

Truck-mounted controllers
Contact factory for your application.

Flashing patterns

Sequential patterns

*Left or right   †25-light models only

	Arrow board trailers		Arrow board skids			Truck-mount arrow boards*			
	Folding	**Vertical**	**Standard**	**Low profile**	**Rigid**	**Full-size**	**Large**	**Medium**	**Small**
MUTCD standard	Type C	Type C	Type C	Type C	Type C	Type C	Type B	Type B	Type A
Display cabinet size in. (cm)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	48 × 96 (122 × 244)	36 × 72 (92 × 183)	30 × 60 (76 × 153)	24 × 48 (61 × 122)
Deployed footprint in. (cm)	119 × 96 (302 × 244)	118 × 96 (300 × 244)	73 × 96 (185 × 244)	73 × 96 (185 × 244)	36 × 96 (91 × 244)	Varies depending on mounting frame			
Operating height in. (cm)	136 (344)	133 (337)	120 (305)	87 (221)	77 (194)	Varies depending on mounting frame			
Travel height in. (cm)	91 (229)	91 (229)	75 (191)	44 (112)	77 (194)	Varies depending on mounting frame			
Weight, approx. lbs. (kg)	1250 (567)	1250 (567)	540 (245)	520 (236)	320 (145)	112 (51)	100 (45)	72 (33)	42 (19)
Display lamps	PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 46 LED	PAR 36 LED	PAR 36 LED
Power	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Vehicle alternator	Vehicle alternator	Vehicle alternator	Vehicle alternator

All dimensions are L × W or W × H.   *For arrow-shaped truck-mount signs, visit www.wanco.com.

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

Radar-Speed Signs
Trailers & Pole-Mounts
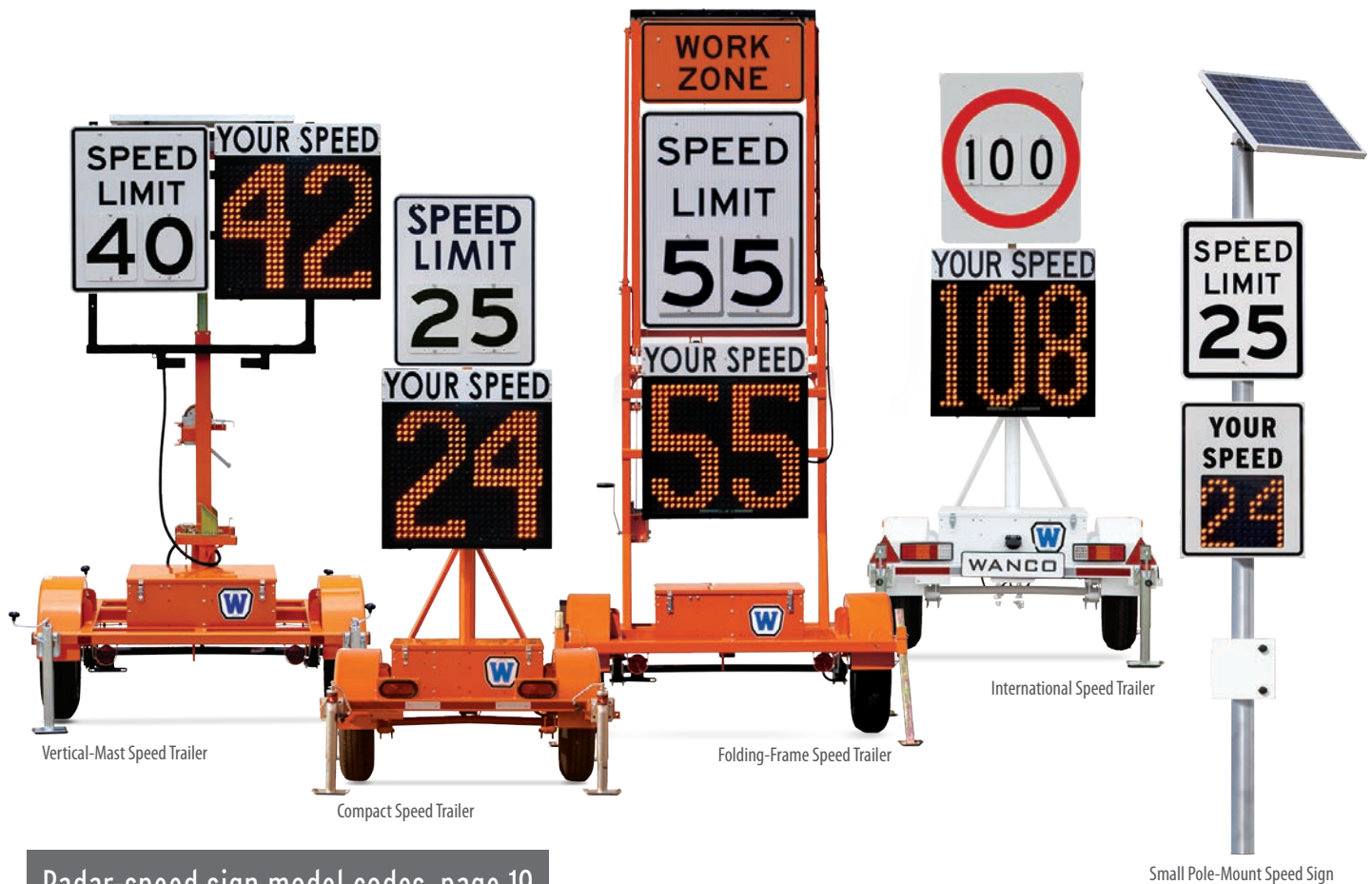
Large, bright LED characters

Easy to transport

Changeable speed-limit sign

See-through design

Battery and solar powered

Featuring the largest portable speed-display available, Wanco Radar-Speed Signs show vehicle speed in 26-inch characters, warning motorists 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.

Vertical-Mast Speed Trailer

Compact Speed Trailer

Folding-Frame Speed Trailer

International Speed Trailer

Small Pole-Mount Speed Sign

Radar-speed sign model codes, page 19

Touchscreen Controller

Wanco's full-color touchscreen controller* provides access to all speed sign functions. Widely known as the industry's easiest to use, features include capacitive response, large virtual buttons and easy message setup.

*Standard speed signs have an analog controller; the touchscreen is an optional upgrade. When a speed trailer is ordered from the factory with Data Classifier System, the touchscreen is included.

Touchscreen Features

Capacitive touchscreen with instantaneous response

Single-press to access most common settings

Change settings and view system status from main screen

Set any speed and excess speed independently

Display vehicle speeds or messages

Create custom messages

Choose from preprogrammed messages

Internal clock facilitates built-in schedule programming

Set up connected devices, including Wanco Traffic Data Classifier System (see page 10)

Multi-level password protection restricts access to authorized personnel

Main screen shows message on sign, speed settings, radar and classifier status

Access system information, power levels, active alarms and system settings from main screen

Turn connected devices on and off, including radar, classifier, beacons and more

Custom and preprogrammed messages

		Radar-speed trailers				Pole-mount speed signs	
		Vertical	**Folding**	**Compact**	**International**	**Large**	**Small**
Deployed footprint	in. (cm)	118 × 77 (299 × 195)	127 × 75 (323 × 191)	106 × 61 (268 × 154)	106 × 61 (268 × 154)	—	—
Operating height	in. (cm)	134 (340)	136 (344)	123 (312)	123 (312)	—	—
Travel height	in. (cm)	92 (234)	106 (269)	91 (231)	91 (231)	—	—
Weight, approx.	lbs. (kg)	1250 (567)	1170 (531)	870 (395)	870 (395)	—	—
Display cabinet size*	in. (cm)	36 × 38 (91 × 96)	36 × 38 (91 × 96)	36 × 38 (91 × 96)	36 × 38 (91 × 96)	36 × 38 × 5 (91 × 96 × 13)	24 × 30 × 5 (61 × 76 × 13)
Speed display font size	in. (cm)	26 (66)	26 (66)	26 (66)	26 (66)	26 (66)	13 (33)
Speed limit sign size[†]	in. (cm)	30 × 36 (76 × 91)	36 × 48 (91 × 122)	24 × 30 (61 × 76)	36 × 36 (91 × 91)	As specified or customer-supplied	
Power		Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar	Batteries, solar; or 110/220 Vac	Batteries, solar; or 110/220 Vac

All dimensions are L × W or W × H.   *Height includes YOUR SPEED sign.   †Standard sign size shown, other sizes available. Contact the factory.
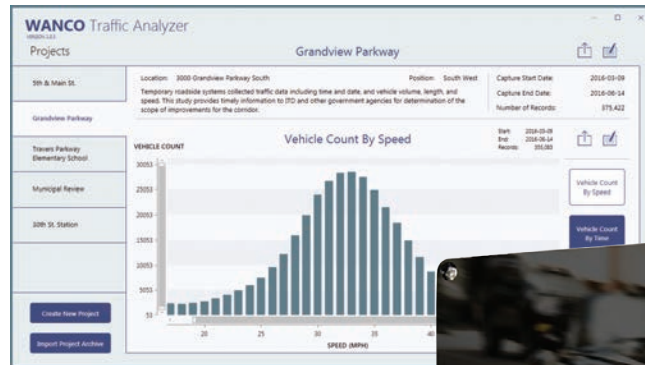
Traffic Data Classifier System
Traffic Counter & Data Analyzer

Collects and classifies traffic data

Nonintrusive and safe to install

Analytic graphing

Data analysis for any purpose

Remote access with optional modem

The Wanco Traffic Data Classifier System provides a safe, non-intrusive method for monitoring and analyzing traffic patterns. Employing side-fire radar to measure vehicle speed and length, the data collector uses no wires, loops or hoses. Analytic graphing software is included, to make charting traffic data easy. The system integrates with any Wanco Radar-Speed Sign or Variable Message Sign.

Features and Benefits

Common applications

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

Operation

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 millions of vehicles in internal memory

Data analysis

Wanco Traffic Analyzer app included with system

App installs on user-supplied computer

Create and manage multiple projects at once

Name projects and add details and notes when needed

Analytic graphing charts vehicle count vs. speed, volume over time, and means & percentiles for easy analysis

Filter data as desired

Fully interactive graphs can be customized for your requirements

Export graphs in common file formats

With optional modem, data can be retrieved remotely via the Internet. See page 4.

Portable Camera Trailers
Live Remote Video

Wireless remote viewing and monitoring

Integrates with existing video networks

Continuous unmanned operation

Easy to transport

Completely self-contained

Wanco Portable Camera Trailers provide remote site monitoring in a compact, mobile, self-contained unit. Where no permanent cameras are installed, these systems augment any video network with quick and easy deployment and an array of remote-access capabilities. Perfect for DOTs, traffic engineers, ITS and signal engineers, and others. Monitor traffic, work zones and weather conditions in real time. Wanco Portable Camera Trailers feature rugged construction and electronics chosen specifically for transportation departments.

Cameras	Outdoor IP-network cameras Day/night, pan-tilt-zoom (PTZ), 360° rotation
Camera height	Up to 29 ft. (8.8 m), depending on model
Power system	Battery-powered with solar charging system
Popular options	Choice of wireless communications (4G/LTE, RF, Wi-Fi®, WLAN, 802.11 and more) Onboard digital recording Choice of cameras Multiple cameras GPS

Traffic PVS System

Single-Camera Mini Solar Surveillance System

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

Diesel Light Towers
LED and Metal Halide

Vertical and laydown-tower models

LED or metal halide lights

360-degree tower rotation

Lights operate at any height

Easy to transport

Wanco Light Towers feature state-of-the-art technology for superior illumination. Models include laydown and vertical towers with LED or metal halide lights. Lights operate at any height and can be aimed independently without the use of tools. Energy efficient and easy to use, Wanco Light Towers are designed for optimum performance and maximum durability.

	Metal halide	LED
Fixtures	Four metal halide	Four LED
Wattage	1000 W per fixture	480 W per fixture
Physical	**All models**	
Deployed footprint, L × W	127 × 112 in. (321 × 285 cm)	
Operating height	max. 360 in. (914 cm) min. 150 in. (381 cm)	
Traveling height	66 in. (168 cm)	
Weight, approx.	1740 lbs. (790 kg)	
Output	**6 kW**	**8 kW**
Power	6 kW	7.5 kW
Current	50 A @ 120 V	62.5 A @ 120 V
Voltage regulation, no load to full load	±5%	±5%

Laydown Light Tower

Vertical-Mast Light Tower

Solar Light Towers

Silent operation

Four LED lights on 20-foot tower

Compact trailer

**Automatic and manual operating modes**

Battery powered and solar charged

The Wanco Small Solar Light Tower is perfect for lighting areas up to 7,200 square feet. Common applications include utility site and road repairs, flagger stations and personal work areas. Solar light towers operate silently, which means they can be used in residential areas without disturbing the public. The light tower features four or six high-efficiency LED light fixtures on a 20-foot telescoping tower. Autonomous operation is possible during summer.

Lights	
Light fixtures	Four or six LED fixtures
Power draw, approx.	50 watts per light fixture*
Physical	
Deployed footprint, L × W	158 × 83 in. (401 × 211 cm)
Operating height	max. 236 in. (599 cm) min. 108 in. (273 cm)
Traveling height	108 in. (273 cm)
Weight, approx.	1680 lbs. (762 kg)
Power system	
Batteries	Four 4D AGM 12 Vdc batteries
Battery capacity	400 Ah total
Solar array	Two 300 W fixed-position panels on tilt-frame 600 W total

* Due to improvements in LED technology, light fixtures are subject to change. For more information, visit www.wanco.com.

Wanco has many models of solar light towers with more lights, taller towers and larger trailers with custom controls and onboard storage. Visit wanco.com to learn more.
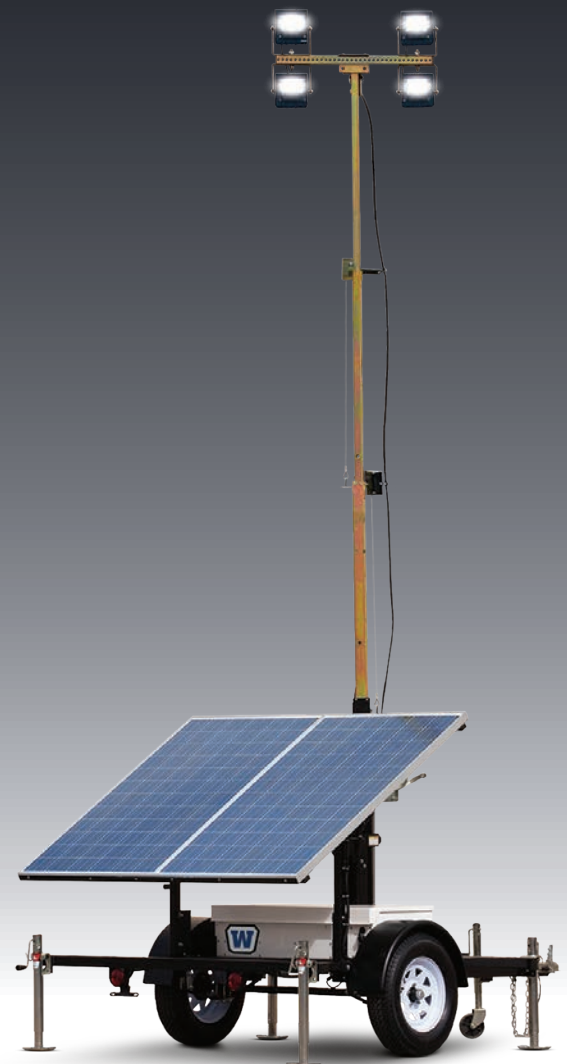
Small Solar Light Tower

13

Balloon Light Cart

Glare-free 360° illumination

Reduced and diffused shadows

16-foot telescoping tower

Steerable heavy-duty cart with brake

Optional inverter power generator

Wanco Balloon Light Carts provide diffused light that reduces shadows and eliminates glare, making night work safer and easier on the eyes. The balloon light illuminates large areas even at low operating heights. The light operates at any height. With outriggers deployed, the heavy-duty steel base and low center of gravity keep the light and telescoping mast stable.

Light	
Lamp	One metal halide lamp
Power draw	1000 watts
Physical	
Balloon, inflated	43 in. (110 cm) diameter 25 in. (66 cm) height
Deployed footprint, L × W	77 × 80 in. (196 × 203 cm)
Deployed height, max.	16 ft. 3 in. (4.95 m)
Travel size, L × W × H	47 × 31 × 91 in. (118 × 79 × 230 cm)
Weight, approx.	300 lbs. (136 kg)
Power	
Power supply	Portable generator or Commercial AC power
Optional generator	Wanco WI2000P recommended 2000 watts max., 120 VAC
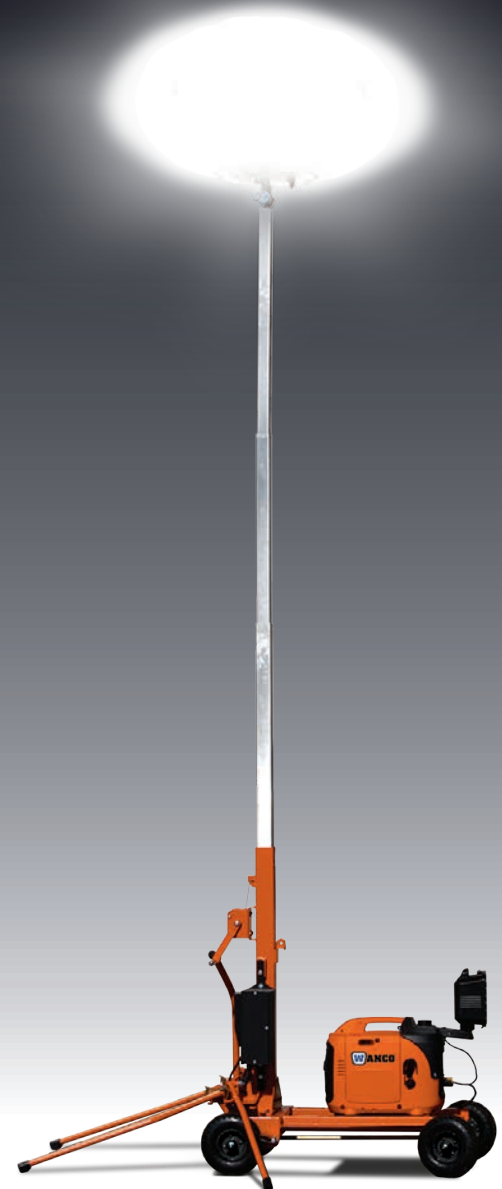
Balloon Light Cart

X-Marker™
L-893(L) Runway Closure Marker

FAA standards certified

**Lowest fuel consumption in the industry**

24-hour battery backup

10-year operating life for LED fixtures

Easy to deploy in under 5 minutes

The Wanco X-Marker™ is an L-893(L) lighted visual aid for indicating temporary runway closure. It efficiently and effectively warns pilots of closed airport runways and taxiways, and protects maintenance crews working in these areas. The X-Marker L-893(L) is ETL-certified to meet FAA AC 150/5345-55.

Lights	Nine high-efficiency LED fixtures
Luminosity	6000 lumens per fixture, 54,000 lumens total
Operating height	20 ft. 5 in. (6.2 m)
Arm length	21 ft. 8 in. (6.6 m) tip to tip
Run time	On engine power, up to 7 days before refueling On battery power, additional 24 hours
Popular options	Tandem tow package Integral fluid containment system Cold weather package Arctic weather package Emergency stop Covers
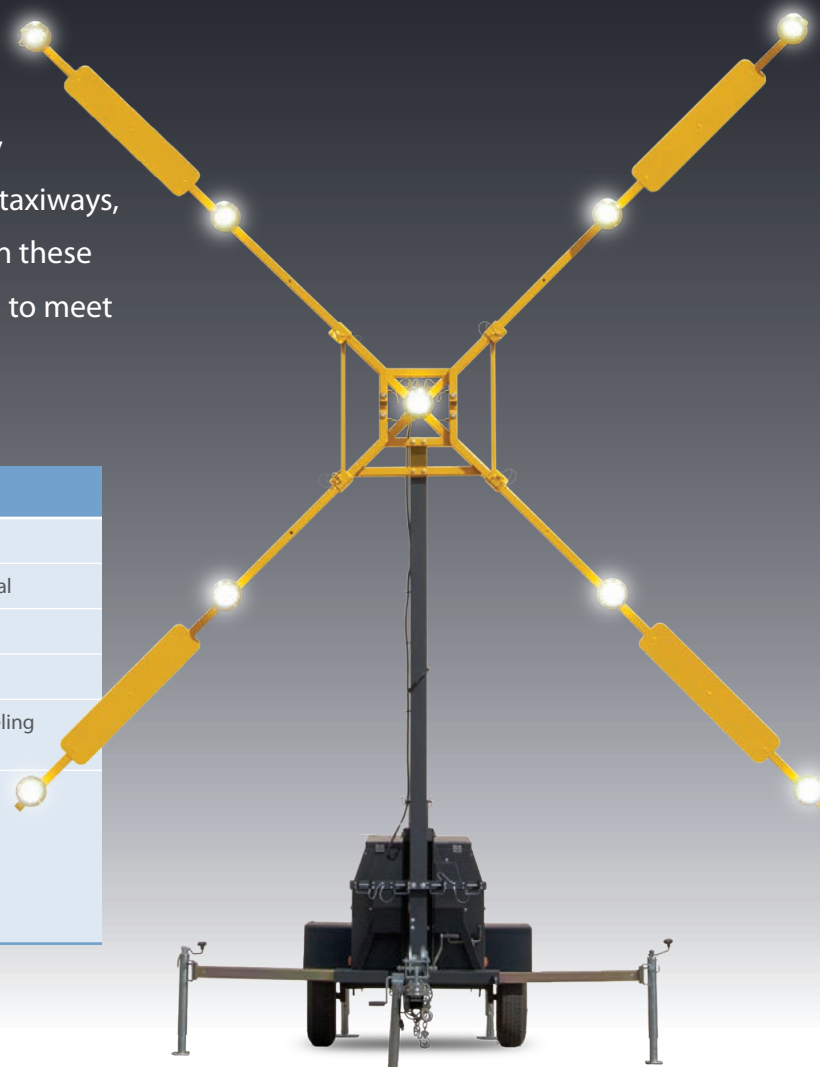
X-Marker L-893(L) Runway Closure Marker

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

Fold-n-Go™
Portable Sign Trailers

Quick setup and takedown

Compact and easy to tow

Flashing beacons

Solar charging system

Built to meet state requirements

Standard and tall trailers feature

W ECO® Technology
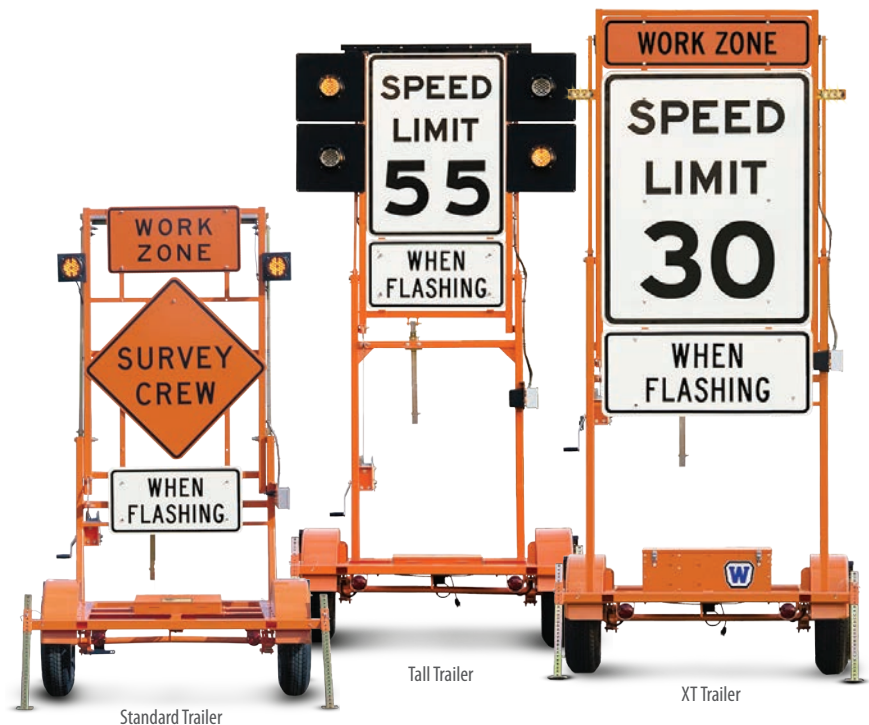
Learn more at wanco.com

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 noticeable with bright, flashing beacons or strobe lights.

Wanco can custom design a Fold-n-Go trailer to meet your local codes and requirements. Contact us to learn more.

Tall Trailer

XT Trailer

Standard Trailer

		Standard trailer		Tall trailer		XT trailer	
Deployed footprint	in. (cm)	100 × 74	(254 × 188)	100 × 74	(254 × 188)	100 × 74	(254 × 188)
Operating height	in. (cm)	126	(320)	152	(386)	165	(419)
Traveling height	in. (cm)	73	(185)	106	(269)	120	(305)
Weight, approx.	lbs. (kg)	700	(318)	800	(363)	900	(408)
Sign sizes top middle bottom	in. (cm)	36 or 48 × 24 36 or 48 × 48 36 or 48 × 18	(91 or 122 × 61) (91 or 122 × 122) (91 or 122 × 46)	36 × 48 — 36 × 18	(91 × 122) — (91 × 46)	48 × 12 48 × 60 48 × 20	(122 × 31) (122 × 152) (122 × 51)
Optional flashers		Two or four 5.5-inch LED beacons		Two or four 5.5-inch LED beacons		Two high-output LED strobes	

All dimensions are L × W or W × H.

Caution Beacons
Kits & Components

Kits for common applications

Permanent and temporary installations

Solar charging system or commercial power

Simple controls

Automatic night dimming

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 Caution Beacons ideally suited for any application. Choose from preconfigured kits, or select individual components as needed.

3-Head School-Zone Beacon Kit

Beacon heads	
Lights	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 scheduled operation |
| Aluminum pole, 4-in. dia. (4.5-in. OD), 14 feet tall with pedestal base, ready for installation |
| Regulatory signs |

Caution beacon model codes, contact factory

Product Model Codes
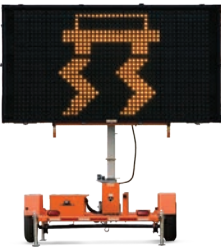
Full-Size Matrix
WTMMB

Mini Matrix
WVTM

Metro™ Matrix
WVTMM

Full-Size Remote-Video Monitoring System
WTMMBC

Mini Remote-Video Monitoring System
WVTMC

Full-Size Three-Line
WTLMB

Mini Three-Line
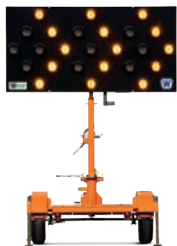WVT3

5-Color Matrix
WVTM-5C

International Matrix
WEMB

Truck-Mount Matrix
WMB-V

Arrow Board Trailers

Vertical Trailer
WTSV

Folding Trailer
WTSP

Arrow Board Skids

Standard Skid
WSSP

Low-Profile Skid
WSSP-LP

Rigid Skid
WS1SB8

Truck-Mount Arrow Boards

No Mounting Frame

48 × 96 in.	WB8
36 × 72 in.	WB6
30 × 60 in.	WB5
24 × 48 in.	WB4

Manual Tilt (Auto-Lock)

48 × 96 in.	WFB8
36 × 72 in.	WFB6
30 × 60 in.	WFB5
24 × 48 in.	WFB4

90° Power-Tilt Frame

48 × 96 in.	WFBP8
36 × 72 in.	WFBP6
30 × 60 in.	WFBP5
24 × 48 in.	WFBP4

90° Low-Profile Power-Tilt Frame

36 × 72 in.	WLP90B6
30 × 60 in.	WLP90B5

Light Towers

Balloon Light
WLC1000B

Solar
WLTS-SM
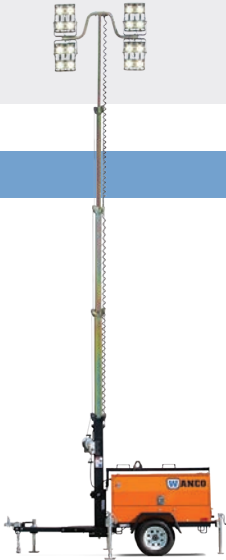
Diesel, Vertical Tower
WLTV

Diesel, Laydown Tower
WLT

Portable Camera Trailers

Mini Solar Surveillance
WCTS-Mini
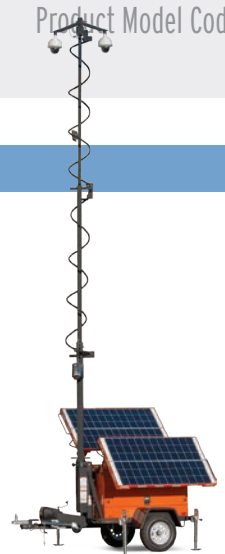
Traffic PVS System
WCTBS

Radar-Speed Signs

Vertical Trailer
WSD-TV

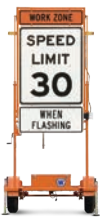**Folding Trailer**
WSD-TF

Compact Trailer
WSDT3-S

International Trailer
WSDT3-EU

Pole-Mount Signs
Large sign   WSDP3
Small sign   WSDP1

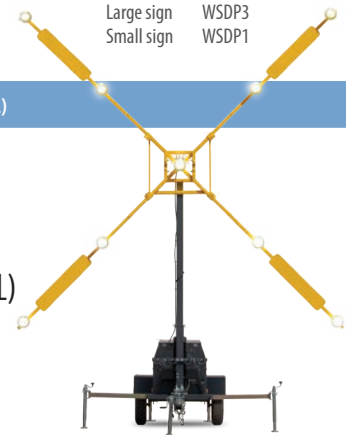## Fold-n-Go™ Portable Sign Trailers

XT Trailer
WFNG-48-2L

Tall Trailer
WFNG-36-4L

Standard Trailer
36-inch signs   WFNG-36
48-inch signs   WFNG-48

X-Marker™ L-893(L)

X-Marker™ L-893(L)
WTRC

180° Power-Tilt Frame
36 × 72 in.   WFP180B6
30 × 60 in.   WFP180B5

Tailgate Mount
48 × 96 in.   WVGB8
36 × 72 in.   WVGB6
30 × 60 in.   WVGB5
24 × 48 in.   WVGB4

Arrow-Shaped Signs
WSBLA-14   No frame
WFBLA-14   Manual tilt (auto-lock) frame
WFBLA-14LP   Low-profile frame

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

WANCO®

Industry leadership is more than just selling the most equipment. It means serving the industry, exercising responsibility and setting an example of excellence in every aspect of business. At Wanco, we are committed to our role as the industry leader.

For more than 30 years, Wanco has been building best-in-class products that are easy to use. With unique features, superior functionality and outstanding versatility and dependability, Wanco products continue to deliver exceptional value for all our customers.

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 and the Specialty Tools & Fasteners Distributors Association.

Orders • Parts • Service • Support

800-972-0755

info@wanco.com

WANCO INC.
5870 Tennyson Street
Arvada, Colorado 80003 USA
800-972-0755
303-427-5700
303-427-5725 fax
www.wanco.com