



When you  
think signs,  
*think Signal-Tech!*



# LED Signs & Signals for *Transportation & Rail*

**Signal-Tech**  
LED Directional Signs & Signals



# Specifications

## DOT Series Signs (IP66/NEMA 4X)

### Illumination

- Super-bright LEDs, viewing angle application dependent
- Internal redundant photocells for automatic photo-dimming
- Message window is 6" smaller than sign size
- Message blanks-out (extinguishes) when deactivated
- Automatic photo-dimming
- Mode switch to allow third party dimming control (0 to 10v)

### Electronics

- Redundant power supplies
- Operational and storage temperature -40°F to 165°F
- Engineered for use at high temperatures to extend component life
- Input voltage 100-240VAC or 12-24VDC

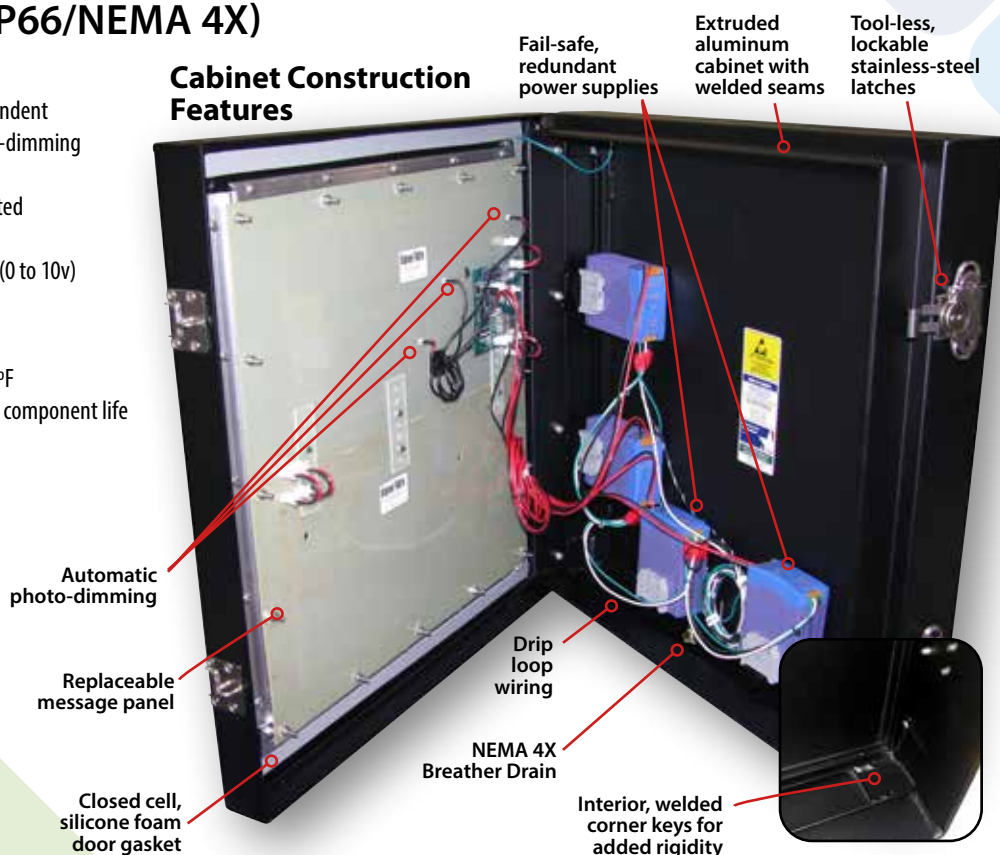
### Face Material:

- Replaceable, vandal-resistant polycarbonate face
- Anti-glare matte finish

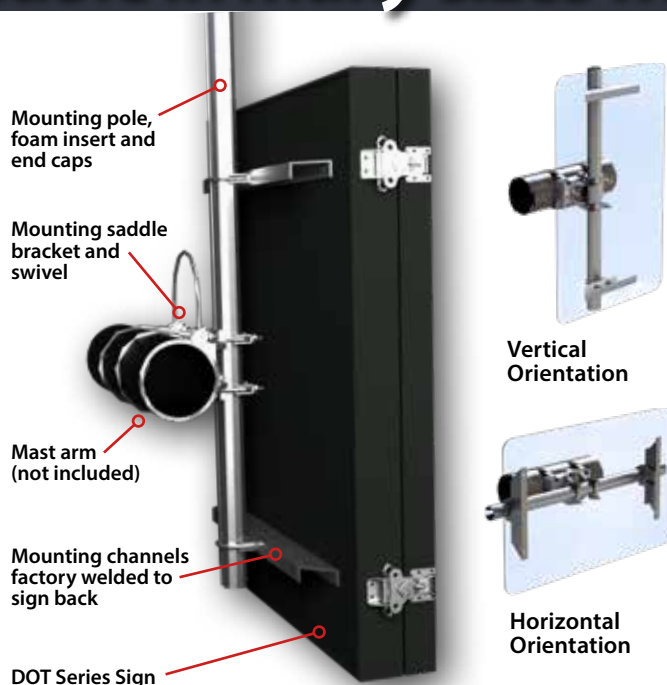
### Cabinet Construction

- IP66/NEMA 4X Rating
- Corrosion resistant 0.125" aluminum
- NEMA 4X Breather Drain
- Integral extruded continuous door hinge
- Tool-less, stainless-steel rotary draw latches
- Powder coated matte black finish
- Optional hood available

### Cabinet Construction Features



**DOT or STR Series available in many sizes with lo**



Sky Bracket is a registered trademark of Sky Bracket, a division of Olson Aluminum Castings

**877-547-9900**

## STR Series Signs (IP55/NEMA 3RX)

### Illumination

- Super-bright LEDs, viewing angle application dependent
- Internal redundant photocells for automatic photo-dimming
- Message window is edge to edge, full height and width of sign
- Message blanks-out (extinguishes) when deactivated
- Automatic photo-dimming
- Mode switch to allow third party photo-dimming control (0 to 10v)

### Electronics

- Typical power supply efficiency: 81%
- Redundant power supplies available upon request
- UL/cUL Listed for wet locations
- Operational and storage temperature -40°F to 165°F
- Input voltage 120-277VAC or 12-24VDC

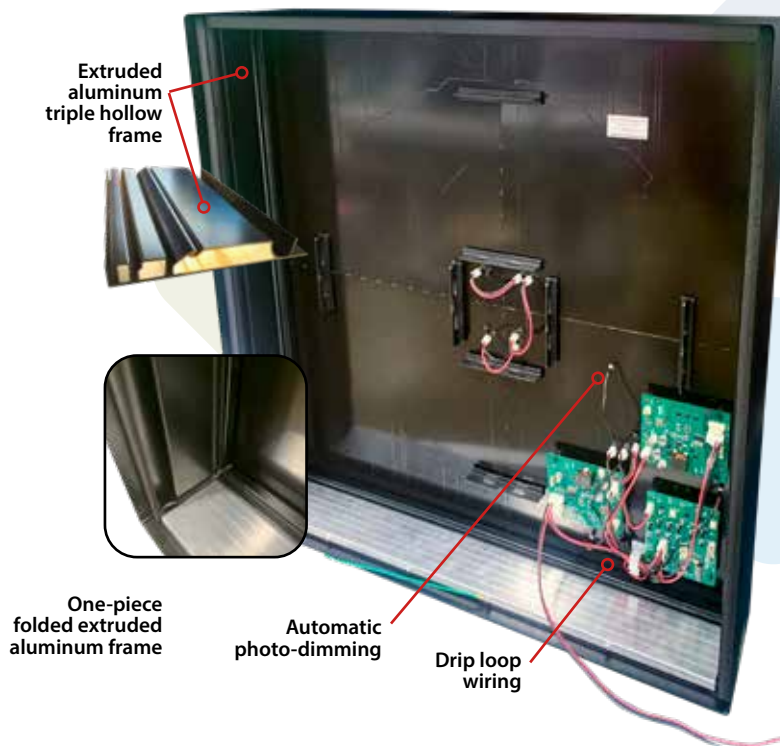
### Face Material:

- Dark grey diffused acrylic face panel

### Cabinet Construction

- IP55/NEMA 3RX Rating
- Corrosion resistant one-piece extruded aluminum reinforced frame
- Back panel 0.125" aluminum sheet
- Moisture absorbent interior coating
- Powder coated matte black finish
- Optional visor available

### Cabinet Construction Features



## w volt options

### Mast Arm or Pole Mounting

The Sky Bracket Sign Mount is used to mount Signal-Tech DOT and STR Series signs to a mast arm or pole. The mount attaches to the back of the sign and its unique swivel and saddle design allows it to be used for either a vertical or horizontal mounting application.

### Sky Bracket Features

- Designed without set screws, pipe threads, retainer rings and screw lock buckles to avoid assembly, installation and maintenance problems
- Swivel saddle has a multi-tooth mounting surface to provide a positive grip on mast arm
- No set screws to overload casting and cause catastrophic failure; the power grip clamps put aluminum castings in compression to avoid overloads at fasteners
- All fasteners are equipped with locking devices
- All adjustments can be made with ½" and ¾" box wrenches

### Quick look: STR vs. DOT Series Signs



**STR Series**  
**NO LEFT TURN R3-2**  
Cabinet 24"h × 24"w × 6"d  
Viewable window 23" × 23"w



**DOT Series**  
**NO LEFT TURN R3-2**  
Cabinet 24"h × 24"w × 5"d  
Viewable window 18" × 18"w

- Message window is 1" smaller than cabinet size
- One piece folded extruded aluminum cabinet
- 6" Cabinet depth
- Internally accessed by back panel
- IP55/NEMA 3RX rating

- Message window is 6" smaller than cabinet size
- Fully welded extruded aluminum cabinet
- 5" Cabinet depth
- Internally accessed by lockable front hinged face panel
- IP66/NEMA 4X rating



# LED Railway Signage



**GET OFF TRACK  
TRAIN COMING**  
30"h x 30"w x 5"d  
ID#: 58539 (100-240VAC)  
ID#: 39524 (12-24VDC)



**No Pedestrian Crossing  
R9-3 | 2ND TRAIN**  
36"h x 30"w x 11.5"d  
ID#: 53207 (100-240VAC)  
ID#: 58541 (12-24VDC)



**No Right Turn w/ TRAIN**  
42"h x 30"w x 5"d  
ID#: 34525 (100-240VAC)  
ID#: 35316 (12-24VDC)



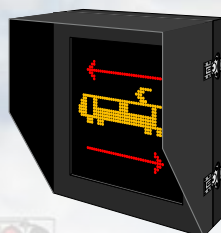
**DO NOT STOP ON TRACKS**  
42"h x 42"w x 6"d  
ID#: 55033 (120-277VAC)  
ID#: 58542 (12-24VDC)

**Operational temperature range from -40° F to 160° F**

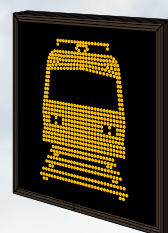
**Light Rail Transit  
Approaching W10-7**  
30"h x 30"w x 5"d  
ID#: 58547 (100-240VAC)  
ID#: 58548 (12-24VDC)



**No Left Turn w/ TRAIN**  
42"h x 30"w x 5"d  
ID#: 58560 (100-240VAC)  
ID#: 35361 (12-24VDC)



**Left Arrow | Light Rail  
Symbol | Right Arrow**  
24"h x 24"w x 5"d  
ID#: 44756 (100-240VAC)  
ID#: 58549 (12-24VDC)



**Light Rail Transit  
Approaching W10-7**  
24"h x 24"w x 6"d  
ID#: 58551 (120-277VAC)  
ID#: 58552 (12-24VDC)



**No Pedestrian Crossing R9-3 |  
Light Rail W10-7 | 2ND TRAIN**  
36"h x 30"w x 5"d  
ID#: 53205 (100-240VAC)  
ID#: 58552 (12-24VDC)



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**! DANGER !  
ANOTHER TRAIN  
COMING**

30"h x 30"w x 5"d  
ID#: 58546 (100-240VAC)  
ID#: 43899 (12-24VDC)



**X | Indicator Dots | WARNING  
ANOTHER TRAIN COMING**

30"h x 30"w x 5"d  
ID#: 58543 (100-240VAC)  
ID#: 58544 (12-24VDC)



**NO RIGHT TURN ON TRACKS**

36"h x 36"w x 5"d  
ID#: 43898 (100-240VAC)  
ID#: 58545 (12-24VDC)

65°F.

## Light Rail Transit

Add light rail approaching signs at Light Rail Transit (LRT) stations and grade crossings to enhance public safety.

These LED activated warning signs supplement the main traffic signal indicators. The sign message can be programmed to flash when illuminated alerting motorists and pedestrians to approaching rail traffic.

**All products available in  
DOT or STR Series.**

DOT Series (NEMA 4 Cabinet)  
STR Series (NEMA 3R Cabinet)

## Preemptive Rail Signals

Communities across North America are focused on programs to enhance pedestrian and motorists safety around rail crossings. Preemptive rail signals installed at-grade and pedestrian crossings alert the public to approaching rail traffic.

Signs are designed to be an extension of the grade crossing system and can be manufactured to include verbal warnings. Sign cabinets and messages can be custom engineered to meet site specific requirements.

All Signal-Tech signs are engineered and manufactured in the USA. Additionally all product support is handled locally in the Erie, Pennsylvania.



**Left Arrow | Light Rail  
Symbol | Right Arrow**

24"h x 24"w x 5"d  
ID#: 53856 (100-240VAC)  
ID#: 53914 (12-24VDC)

### Our signs are:

- Controlled by software, switch or dry contact relay
- Available in 100-240, 120-277VAC or 12-24VDC
- Backed by an industry leading warranty

### Did you know...?

We have a library of tens of thousands of custom messages specific to customers just like you.

**Say what you want, say what you need!**

**signal-tech.com**



# LED Signs for Lane Control & Tollways



**No Right Turn R3-1**

24"h x 24"w x 5"d  
ID#: 56381 (100-240VAC)  
ID#: 39081 (12-24VDC)

**BUS I-6**

24"h x 24"w x 5"d  
ID#: 46719 (100-240VAC)  
ID#: 58575 (12-24VDC)

**No U Turn R3-4**

24"h x 24"w x 5"d  
ID#: 58577 (100-240VAC)  
ID#: 58578 (12-24VDC)

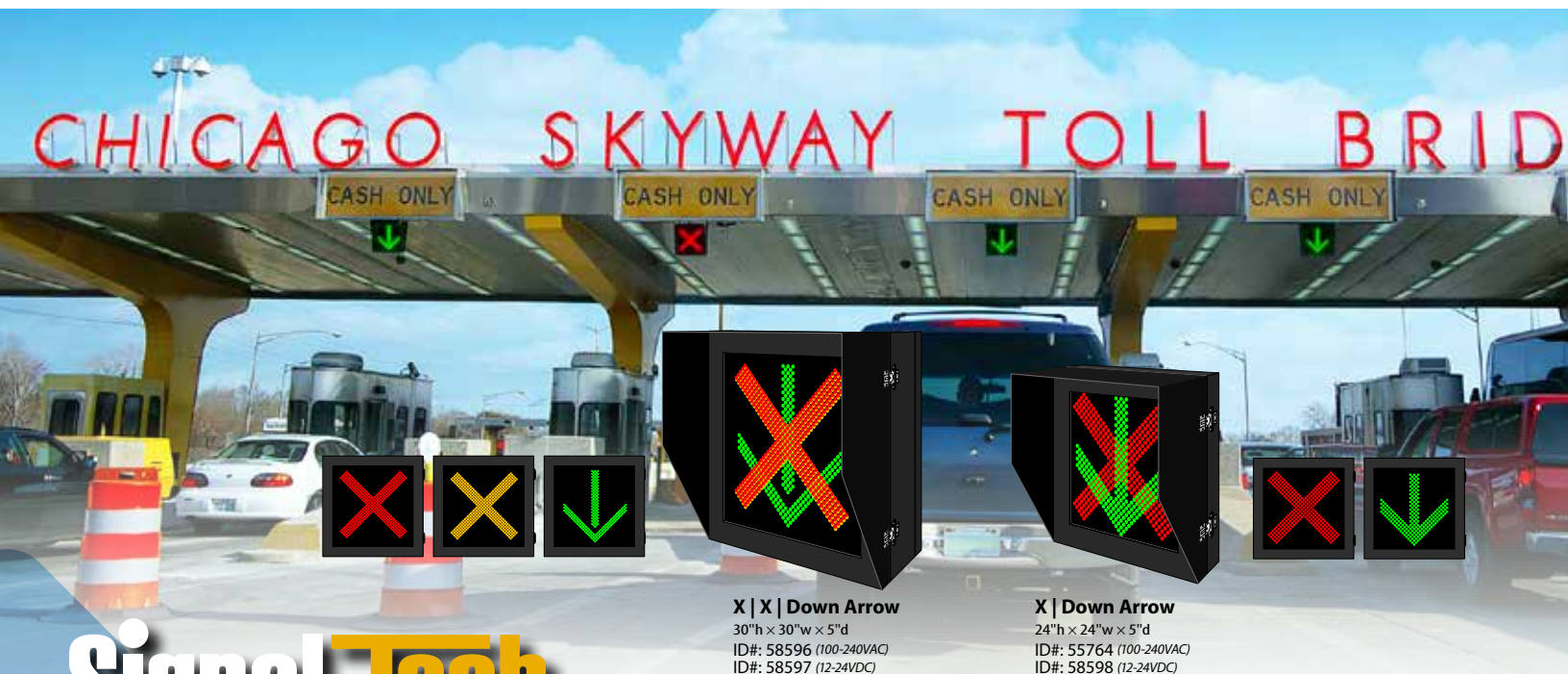
**DO NOT ENTER R5-1**

24"h x 24"w x 5"d  
ID#: 15061 (100-240VAC)  
ID#: 57170 (12-24VDC)

**NO TURN ON RED w/  
Indicator Dot**

30"h x 24"w x 6"d  
ID#: 54812 (120-277VAC)  
ID#: 58579 (12-24VDC)

*Engineered for long distance viewing.*



**X | X | Down Arrow**

30"h x 30"w x 5"d  
ID#: 58596 (100-240VAC)  
ID#: 58597 (12-24VDC)

**X | Down Arrow**

24"h x 24"w x 5"d  
ID#: 55764 (100-240VAC)  
ID#: 58598 (12-24VDC)

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**DO NOT ENTER R5-1**  
30"h x 30"w x 5"d  
ID#: 49117 (100-240VAC)  
ID#: 58576 (12-24VDC)

**Veering Left Arrow  
w/ ONLY R3-5**  
36"h x 30"w x 5"d  
ID#: 58580 (100-240VAC)  
ID#: 58581 (12-24VDC)

## LED Lane Use Signs

- Custom or MUTCD symbols and layouts
- Can combine multiple messages in a single cabinet
- Messages blank-out or extinguish when off
- Constructed with high performance LEDs
- Excellent day and night visibility
- IP66/NEMA 4X or IP55/NEMA 3RX Rated cabinet
- Redundant power supplies
- Redundant photocells for dimming

## Highway Weigh Station Signs

Engineered to withstand rugged roadside conditions, these signs are designed with super-bright, narrow angled LEDs for long distance viewing in all lighting conditions.



**OPEN | CLOSED**  
21"h x 67"w x 5"d  
ID#: 46294 (100-240VAC)  
ID#: 47850 (12-24VDC)

## Lane and Toll Plaza Signs

Clearly define open toll lanes from a distance. Bold symbols use super-bright LEDs to make messages readable in direct sunlight.



**eGO Logo**  
24"h x 24"w x 5"d  
ID#: 5645 (100-240VAC)  
ID#: 58591 (12-24VDC)



**TOLL PROCESSED  
DO NOT STOP**  
24"h x 30"w x 5"d  
ID#: 58593 (100-240VAC)  
ID#: 58592 (12-24VDC)

**All products available in  
DOT or STR Series.**

## Did you know...?

We believe in American workers. Our products are proudly engineered, assembled and tested in Erie, PA.

# We do **MORE** than you think...

Let us manufacture a sign that meets **your** unique requirements.

Personalize **your** design with customized selections:

- Message wording, color and font style
- Illumination style – direct-view or backlit
- Custom paint color and finish – including PMS color matching
- Full color graphics and symbols, including PMS color matching for logo branding

Optional Accessories:

- Beacon strobe
- Piezo alarm
- Flasher
- Mounting Brackets
- Switches

**Signal-Tech**  
*LED Directional Signs & Signals*

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**signal-tech.com**

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