Keeping transit passengers informed in real-time with digital smart-sign solutions.

LED, LCD, and Bistable solar solutions designed for your specific transit needs.
LED and LCD signs provide arrival/departure and other information for passengers to keep them informed during their trip. Information can be delivered visually or audibly in multiple languages.

These signs are rugged, reliable, and aesthetically pleasing. As the graphic below shows, LED signs are typically for applications in which the passenger needs to see information from a distance. For viewing up close, an LCD or BiStable sign with smaller characters may be a more appropriate and visually impressive solution.
BEST-IN-CLASS TRANSIT SIGN SOLUTIONS

Turnkey solution provider: Luminator can handle any or all hardware and software aspects of the project:

☑ Comprehensive project management
  ◦ Design customization
  ◦ Installation
  ◦ Personnel training (operation & maintenance)
  ◦ On-site service & support
  ◦ Spare parts inventory management
  ◦ Message content creation
  ◦ Interfaces with multiple data sources (GTFSRT, ...) for accurate, current arrival info.
  ◦ Wireless remote communications (cellular,...)
  ◦ Software cloud hosted or on-premise

☑ Industry-hardened solutions: Luminator has been a mass transit industry manufacturer since 1928. Our shelter sign solutions have been installed in transit agency properties across North America.

☑ Single or double-sided displays
☑ Full-color or monochrome
☑ Meets US DOT ADA requirements
☑ IP-based for easy deployment and wireless remote updating
☑ Cyber-encryption protected
☑ Interfaces with technology vendors (AVL systems, Camera systems, etc.)
☑ Automatic or push button audio capable in multiple languages
**BISTABLE LOW-POWER SIGNS**

BiStable ChLCD signs require very little energy to display information. These high-resolution reflective display systems are designed for outdoor use and are perfectly readable in all lighting and weather conditions—even in direct sunlight.

The low-power signs can be fully self-sustained when used with a solar energy solution to display transit information at remote stops, where there is no power grid. Both monochrome and color options are available.

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**SOFTWARE**

Luminator’s Sign System Software is the key to providing a complete turnkey system that meets the needs of both the Transit Agency and their passengers.

The software includes a web browser interface to monitor system status, create and manages message content, and control the shelter signs remotely. Multi-jurisdictional real-time data is processed and distributed to signs based on route and stop ID.

The content management software (CMS) enables the user to develop, store, and manage media (images, videos, symbols,...) so that it is presented exactly as the Transit Agency prefers.
TYPICAL NETWORK CONFIGURATION

TRANSIT AGENCY

- Transit Agency Live
- ETA Data & RSS Service Alerts
- User Access

Message Inputs

Real-time Vehicle Location Information

Secure Internet

Software Hosted by Luminator

VPN over Internet

Updates to signs

3G/4G Local Cellular Carrier Network

Shelter Signs

- Bus Arrival Time Predictions
- Service Bulletins
- Bus Route & Destination
- Audio Text-to-speech capable
- Advertising
- Events, News, Weather...

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