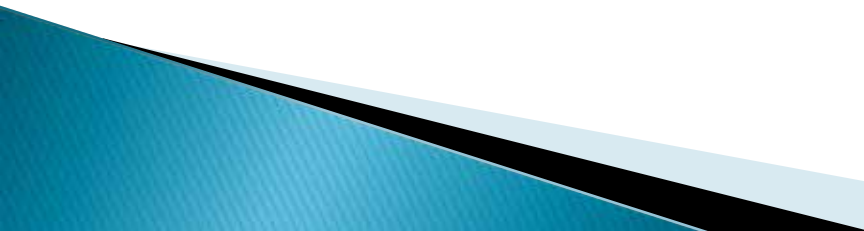


FULTON COUNTY SCHOOL ZONE SAFETY UPGRADES

Wyvern B. Budram
Traffic Operations Manager

PROJECT OVERVIEW

- Ø The Public Works Department recently completed an upgrade for all school zones in South Fulton County . The department's primary focus was on safety, operations, maintenance of traffic control devices and responsiveness to requests.
 - Ø The upgrades included school zone flashers, rapid flashing beacons, pavement markings, signs and ADA compliance.
 - Ø Upgrades were scheduled for a total of 24 schools that included elementary, middle and high schools.
- 

PROJECT OVERVIEW continued

An inventory of existing school zones was conducted and previous maintenance data reviewed to determine the type of upgrades.

Ø The Department opted for the following:


Ø Solar powered school zone flashers and rapid flashing beacons to be used instead of electrical powered units.

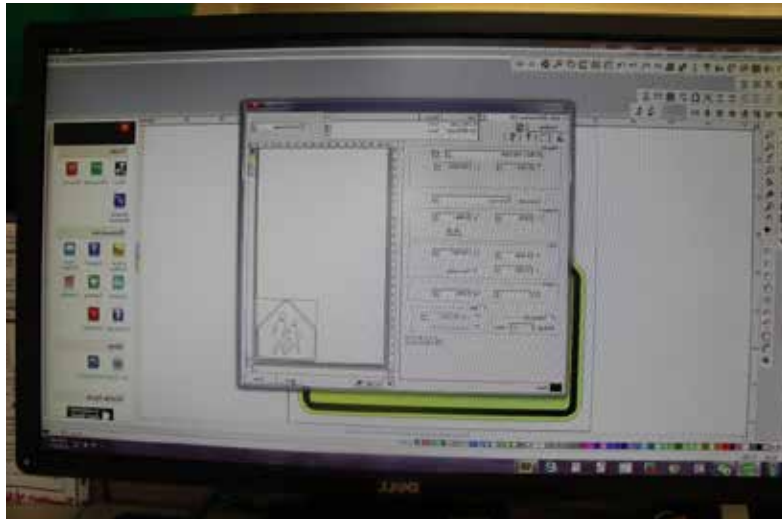
Ø Real-time remote monitoring, trouble shooting and reporting capabilities for each device without the use of specialized software or equipment.

Ø All school zone signage would be upgraded to fluorescent yellow green.

Ø In-house personnel would be used for design and construction.

PROJECT SCOPE

- Ø Installation of 46 Solar powered school zone flashers.
 - Ø Installation of 12 Rapid Flashing Beacons.
 - Ø 216 signs to be fabricated and installed.
 - Ø 2 crews, consisting of 2 personnel each would be used for construction
 - Ø Project to be completed during the school system's summer break
- 



Sign Fabrication



School zone signs
installed



In-house installation



Solar Powered Signal



ADA Ramps



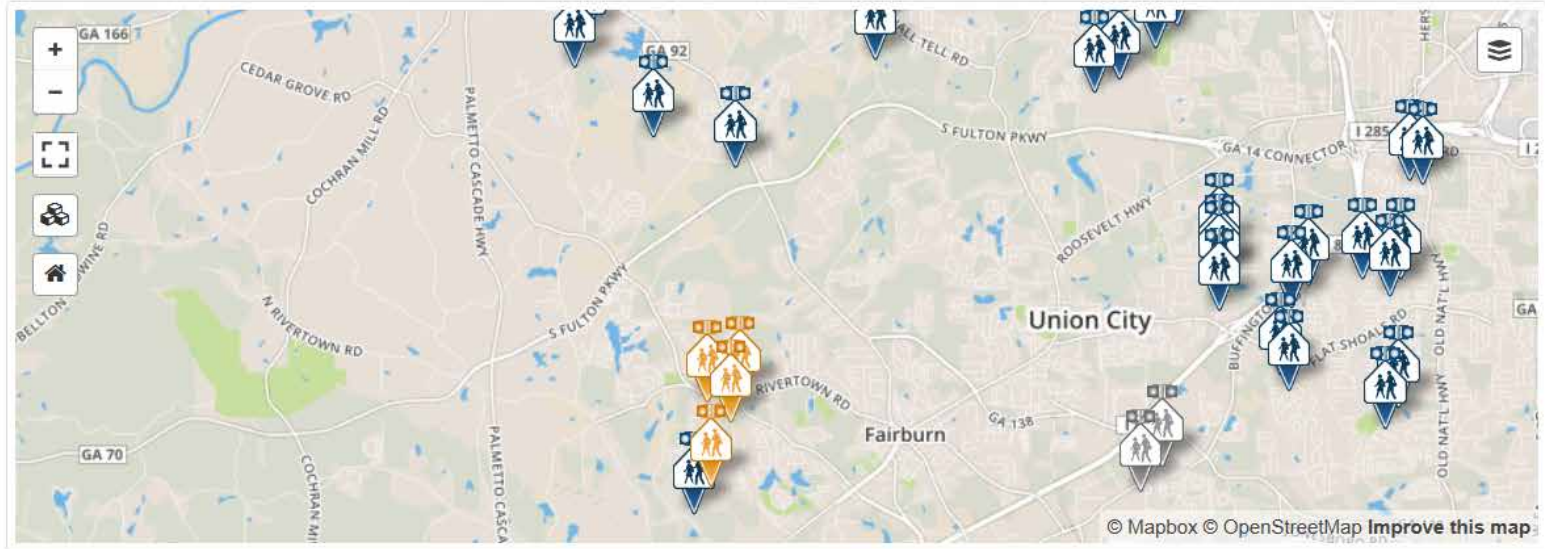
Rapid Flashing Beacons installed on walk routes



Pavement markings

System List









Map is On



☰ Statuses & Notifications

Actions

Click checkbox to select item or use selection button ()

Type	System Name	System Status	Notify Me	Tags
<input type="checkbox"/>	 Arlington NB 1528	   	 	0 

Central Monitoring

File Message

Ignore X Reply Reply Forward Meeting
All

Junk Delete

Move to: ? To Manager
Team E-mail Done
Reply & Delete Create New

Quick Steps

Rules OneNote
Move Actions

Mark Categorize Follow
Unread Tags Up

Translate Find
Related Select

Zoom

From: BlinkLink@blinklink.net Sent: Fri 8/25/2017 12:37 PM

To:

Cc:

Subject: REMINDER: BLINKLINK ALERT - Lost Contact Controller - For System Labeled Bear & Creekside SB 1508

BlinkLink triggered a(n) Lost Contact Controller event for the following System.

Customer: Fulton County
System Details: Bear & Creekside SB 1508
Asset Name: Sign Controller
Alert Time: 2017-08-21T11:31:31Z

System Alerts

Bear & Creekside SB 1508



School Zone BlinkerBeacon

1 NA NA -256dBm

5:26am, 8/21/2017 EDT - [View Statistics](#)

System Alerts

Active Alerts | Notify Me | Notify Users

Search: [] [Q] 6 [v]

Reported	Alert ID
Lost Contact Controller 1 week ago (Aug 21 @ 7:31:31 am)	n/a @ 775240

Showing 1 to 1 of 1 entries

[View Resolved Alerts](#) [View Active Alerts](#)

System Settings

Schedule	Middle Schools 2017-2018	Edit
Manual Flash	(Not Set)	Edit
Flash Duration	Flash 30s when activated	Edit
Activation Logging	(Not Logging)	Edit
Mode	Active	Edit

System Location Info

Map

1 Controller(s) [+](#)

System Alerts

Banneker NB 1514



School Zone Blinker Beacon

0 13.4V 82°F -256dB

11:35am, 8/24/2017 EDT - [View Statistics](#)

System Alerts

Active Alerts | **Notify Me** | Notify Users

👍 Currently in the clear!
No alerts requiring your attention

[View Resolved Alerts](#)

System Settings

Schedule	Achievement Schools 2017-2018	Edit
Manual Flash	(Not Set)	Edit
Flash Duration	Flash 30s when activated	Edit
Activation Logging	Logging is On 🕒	Edit
Mode	Active	Edit

System Location Info

Map

1 Controller(s) [+](#)

System Alerts

PROJECT BENEFITS

- Ø Standardized equipment throughout all School Zones.
- Ø Improved visibility and conformance for the new traffic control devices in the school zones.
- Ø Remote monitoring, trouble shooting and emergency override.
- Ø Reduced operations and maintenance costs:
 - \$12,000 annual savings for electrical services
 - Number of preventative maintenance inspections was reduced from 8 to 1 per year
 - Preventative maintenance costs were reduced from \$26,088 to \$2,832 annually
- Ø Technology sharing with other municipalities.
- Ø Total project cost \$221,750.

