

School Zone Flasher Signal Upgrades

April 2020

Project Background

School zones are put in place to ensure the safety of students in and around schools. School zone flasher units are installed to better regulate when the 20 mph speed zone is in effect with flashing yellow beacons. School zone flasher units are typically active on school days during the arrival and dismissal times for students. This project includes updating the majority of the school flasher devices to solar powered units, adding rear-facing amber flashing beacons to all units, replacing the outdated school clock hardware with new computers and adding new school flasher units for Schultz Elementary School. With the new installations completed in 2019, the City currently maintains 24 school zone flasher units for St Mary, Delaware Christian, DACC and some Delaware City schools.



Improvements

In 2018 the City replaced six (6) school flashers devices with solar powered units, all school flasher units were upgraded to provide a rear-facing amber flashing beacon and old hardware inside all the flasher cabinets nits were replaced with new computers. Rear-facing flashing beacons have been added on the backside of each school flasher unit to reinforce when a school speed limit is active for motorist that enter the school zone from from a side street or driveway located within the school zone. In 2018-2019, new school clock computers were installed to allow for all programming to be completed remotely from a central computer located at the City Public Works Facility. This allows for the updated of the school year calendars annually and schedules to be changed as needed for weather delays, early dismissals, etc. so that the beacons are only active when schools are actually in session. In 2019, the existing static school zone signs were replaced with new school zone flasher units on Applegate Ln and Rock Creek Drive for Schultz Elementary School. All installations, upgrades and replacements were performed by the City in-house Traffic Technicians. As part of the E. William Street Widening project, in the spring/summer of 2020 the school zone flasher devices on E. William Street for Conger Elementary School will be replaced with new solar powered units and the rear-facing flashing beacons will be added. Watch the video on this Access Delaware project <https://youtu.be/9yfRYqQ0HAw> .



Schedule & Status

Phase	Year	Status
Study & Design	2017	Complete
Property Acquisition	N/A	N/A
Utility Relocation	N/A	N/A
Construction	2018-2020	In Progress

Project Budget

Phase	Cost
Engineering Study Design (Completed by In-House Staff)	\$0
Construction ¹	\$103,562
Total	\$103,562

Project Funding

Fund	Budget Year	Budget Appropriation
Street & Maintenance Repairs – Traffic Division Operating	2018	\$52,476
Capital Improvements – Traffic Signal System Upgrades	2018	\$19,586
Street & Maintenance Repairs – Traffic Division Operating	2019	\$14,800
Capital Improvements – US 36/E. William Street Widening	2020	\$16,700
Total		\$103,562

Project Updates

All new school zone flasher upgrades and installations have been completed with the exception of the school zone flasher unit replacements on E. William Street for Conger Elementary School, which will be complete in Spring/Summer 2020. You may submit specific questions regarding the project through the Access Delaware webpage.

For weekly project updates and reports, visit the Access Delaware Facebook page. For information regarding other local roadway improvement and transportation projects, visit

www.delawareohio.net/access-delaware