

TYPE: Resolution
SUBMITTED BY: Vince Smith
DEPARTMENT: Public Works
DATE: 08/25/2026

DESCRIPTION: Public Works: Resolution Authorizing the Execution of a Contract with RIOTECH for the Design and Installation of the Replacement of the Wayside Horn System (WHS) Control System Equipment at the York Road Grade Crossing in the Amount of \$41,040

COMMITTEE ACTION:
N/A

DATE:

BACKGROUND: In 2014, the Village of Bensenville established a Quiet Zone along the Metra and Canadian Pacific Railroad lines, which required significant capital improvements to improve grade-crossing safety. As part of the capital improvement, a Wayside Horn System (WHS) was installed at the York Road crossing. The WHS's primary function is to provide a stationary, directional audible warning at the railroad crossing to alert motorists and pedestrians to an approaching train. There is a visual indicator, which is a flashing X that indicates to the train that its horn does not need to be utilized while approaching and moving through the crossing. The system produces the horn sound to keep the area a Quiet Zone.

KEY ISSUES:

The current WHS control system has multiple failed components. These failed components are not indicating to the trains that the Quiet Zone is in effect and that the horn should not be used. Trains passing through use their horns, which is causing a disturbance to the community. The Village has received multiple complaints that the horns disturb residents' sleep at all hours of the night.

Village staff has attempted to repair the system internally and through a contractor. These attempts have been unsuccessful and temporary in nature. Staff contacted RIOTECH, the equipment manufacturer, and this model is no longer in production. RIOTECH is the manufacturer of all the parts and components of the Village's Quiet Zone infrastructure. Staff recommends purchasing the new replacement components for the Control System from RIOTECH. This requires the general scope of work below:

- Design/Engineering of the WHS Control System
- Procure materials
- Prewire and supply WHS cabinet for upgrades of existing system
- Perform Factory Acceptance Testing for desired operations
- Installation/Replacement
- Perform final on-site test and commissioning
- Train local staff on system maintenance and operations

Staff requested a proposal from RIOTECH, the manufacturer of the Control System. The proposed fee to perform this work was \$41,040.

Staff recommends authorizing the execution of a contract with RIOTECH to perform the work

described above. No additional proposals are available, as RIOTECH is the manufacturer and distributor of this product and the replacement components.

The additional cost for this project, which is not in the contract, is \$3,000 for flaggers to be on-site while RIOTECH installs the equipment. This will be a separate contract between the Village and CPKC.

ALTERNATIVES:

Discretion of the Village Board.

BUDGET IMPACT: This is an unbudgeted capital expense. The CY26 CIP budget has sufficient funds to cover this cost. Account 31080810 596000 should be used. A project code will need to be established.

ACTION REQUIRED: Approval of a Resolution authorizing the execution of a contract with RIOTECH in the amount of \$41,040.

ATTACHMENTS:

[RES - RIOTECH WHS Control System Purchase and Installation.pdf](#)
[RioTech Professional Services Agreement \(Bensenville, IL\).pdf](#)