



Holland Charter Township

353 North 120th Avenue • Holland, MI 49424 • phone: 616.396.2345 • Fax: 616.396.2537

Memorandum

TO: Board of Trustees
FROM: Steve Bulthuis
DATE: October 18, 2025
SUBJECT: Outdoor warning sirens

At a previous meeting, the lack of outdoor warning sirens in the township was discussed following weather events earlier this year. The matter was referred to the Fire Committee for further discussion and action.

Chief Kohsel consulted with area fire chiefs and contacted the vendor who provides the outdoor warning sirens in Ottawa County. The Fire Committee reviewed the benefits of the warning sirens, recognizing that three of the Township's four neighbors have, or will be installing, outdoor warning sirens. They concluded that installing the warning sirens would enhance the health and safety of residents and visitors.

As the attached quote indicates, eight locations are recommended. The last page of the attached shows the comprehensive coverage these locations will provide. At \$28,650/site installed, the total amount of the quote is \$229,200.

Staff is seeking approval of the bid from West Shore Service Inc., in the amount of \$229,200 along with a \$20,000 contingency for a total not-to-exceed amount of \$249,200.

Please contact me should you have questions.



Est. 1971

West Shore Services, Inc.

Luke Miller – Director of Operations

6620 Lake Michigan Drive, P.O. Box 188, Allendale, MI 49401
Phone: 616-895-4347 ext. 171 Fax: 616-895-7158

September 10, 2025

Holland Township
Attn: Chief Jim Kohsel
353 N 120th Ave.
Holland, MI 49424

RE: Federal Signal 2001 Equinox, AC/DC, Two-Way Outdoor Warning Siren Proposal

Dear Chief Kohsel,

On behalf of West Shore Services (WSS), I would like to thank you for the opportunity to provide a proposal for the purchase and installation of a Federal Signal 2001 Equinox Outdoor Warning Siren.

Proposal

West Shore Services highly recommends a Federal Signal model 2001 Equinox, AC/DC, two-way, warning siren including installation on a 50' class II wood pole, and all necessary materials for installation.



The Federal Signal 2001 Equinox siren will be equipped with a two-way digital status monitoring system, which matches the existing Ottawa County siren system. The battery backup will allow the unit to operate in the event that normal AC power to the site is interrupted. Product cut sheets attached.

The pricing listed is a price and includes our standard installation techniques, aluminum conduit between the control cabinets and siren head, and extensive grounding of all components including installation of two ground rods.

WSS turnkey price to furnish, deliver, and install is \$28,650.00 per site, for a eight (8) site total of \$229,200.00.

The cost to add the newly installed sirens to all six (6) existing Ottawa County control points is \$275.00 per site, for a six (6) site total of \$1,650.00. This will allow each of Ottawa County's control points to activate digital two-way status monitoring of Holland Townships newly installed sirens.

The above price also includes a service entrance for overhead electrical hookup to an existing power source. Any underground or special service requirements will be quoted as an extra charge item. We have included a \$50.00 allowance for electrical permits. Any fees in excess of \$50.00 will be invoiced as an extra charge item.

Power Requirements

The power requirements for the Federal 2001 Equinox AC/DC are single phase 120/240-volt AC. If the unit is operating from AC power, the draw will be approximately 30 amps. During the rest of the time when the unit is not operating it will require 4-6 amps max to run the battery chargers and radio.

Proposed Siren Location

- 136th Ave & Quincy St.
- 120th Ave & James St.
- 104th Ave & Riley St.
- 104th Ave & Adams St.
- 136th Ave & James St.
- 112th Ave & Riley St.
- 120th Ave & Quincy
- 128th Ave & Riley St.

If you have any questions or need any additional information, please feel free to contact me personally. I can be reached at the office at (616) 895-4347 ext. 171 or on my cell phone at (616) 262-0082.

We appreciate the opportunity to work with Holland Charter Township.

Sincerely,



Luke Miller
Director of Operations

LGM/rl

Encl: Product Specification Sheets



West Shore Services, Inc.

6620 Lake Michigan Dr.
PO Box 188
Allendale, MI 49401

Phone: 616-895-4347
Fax: 616-895-7158

QUOTE

Date	Quote #
9/10/2025	6242

Name / Address

HOLLAND CHARTER TOWNSHIP
CHIEF JIM KOHSEL
353 N 120TH AVE.
HOLLAND, MI 49424

		Terms	Project Name	
		Net 30	EQUINOX	
Item	Description	Qty	Rate	Total
	OTTAWA COUNTY 2023-2024 PRICING			
EQUINOX	SIREN, DC, ROTATING 500Hz NOMINAL. THE EQUINOX SIREN IS A SINGLE TONE SIREN CAPABLE OF PRODUCING A 126dB SOUND LEVEL AT 100 FT	8		0.00
2001TRB	TRANS. RECTIFIER, SIREN	8		0.00
DCFCTBDH	CNTRL, DIGITAL, 150-174 MHZ	8		0.00
AMB-P	ANTENNA MOUNTING BRACKET, POLE	8		0.00
OMNI-5	ANTENNA, 156-162MHz VHF	8		0.00
TK-IO-CUSTINS	FURNISH AND INSTALL ABOVE EQUIPMENT	8	28,650.00	229,200.00
Terms	Please note: Attached Sales Agreement Terms and Conditions apply. Sales tax and Shipping not included unless otherwise shown. Electrical service by others unless otherwise quoted. Required permits and/or licenses are the responsibility of others. WSS is not responsible for rock drilling or differing site conditions; if discovered extra charges will apply. Package Price – Line item price not available separately and/or for lesser quantities. In case of scope or quantity changes, West Shore reserves the right to modify quote.			0.00
			Subtotal	\$229,200.00
			Sales Tax (6.0%)	\$0.00
			Total	\$229,200.00



► Model 2001-130 and Equinox

High Power, Directional Rotating Siren

The Federal Signal 2001-130 and Equinox sirens are high-powered, rotating, unidirectional outdoor warning siren. The high-decibel output provides maximum coverage with minimum installation cost. Radio/cellular/satellite or wireless IP activation can further minimize installation costs by eliminating the need for leased dedicated control lines.

The siren's projector produces a 60-degree projection of sound that rotates at 3 RPM and can produce three distinct warning signals: steady, wail, and fast wail. The siren will supply a minimum of 15 minutes of full power output from its batteries after AC power loss. The siren controls are available with battery operation, solar, AC operation, and AC operation with battery back-up, one-way and two-way radio control, wired or wireless Ethernet, satellite/cellular, or landline. The 2001 Series is offered in low frequency (500 Hz) or mid-range frequency (790 Hz).

Ideal applications for this warning siren include hazardous weather conditions, fires, floods, chemical spills, and other types of community or facility emergencies.

FEATURES

- High-powered rotating siren for maximum coverage
- Available in low and mid-range frequency
- Three distinct warning signals
- AC or solar powered with battery backup
- Weather-resistant coating

Holland Township

Proposed Siren Locations

Proposed Siren Locations

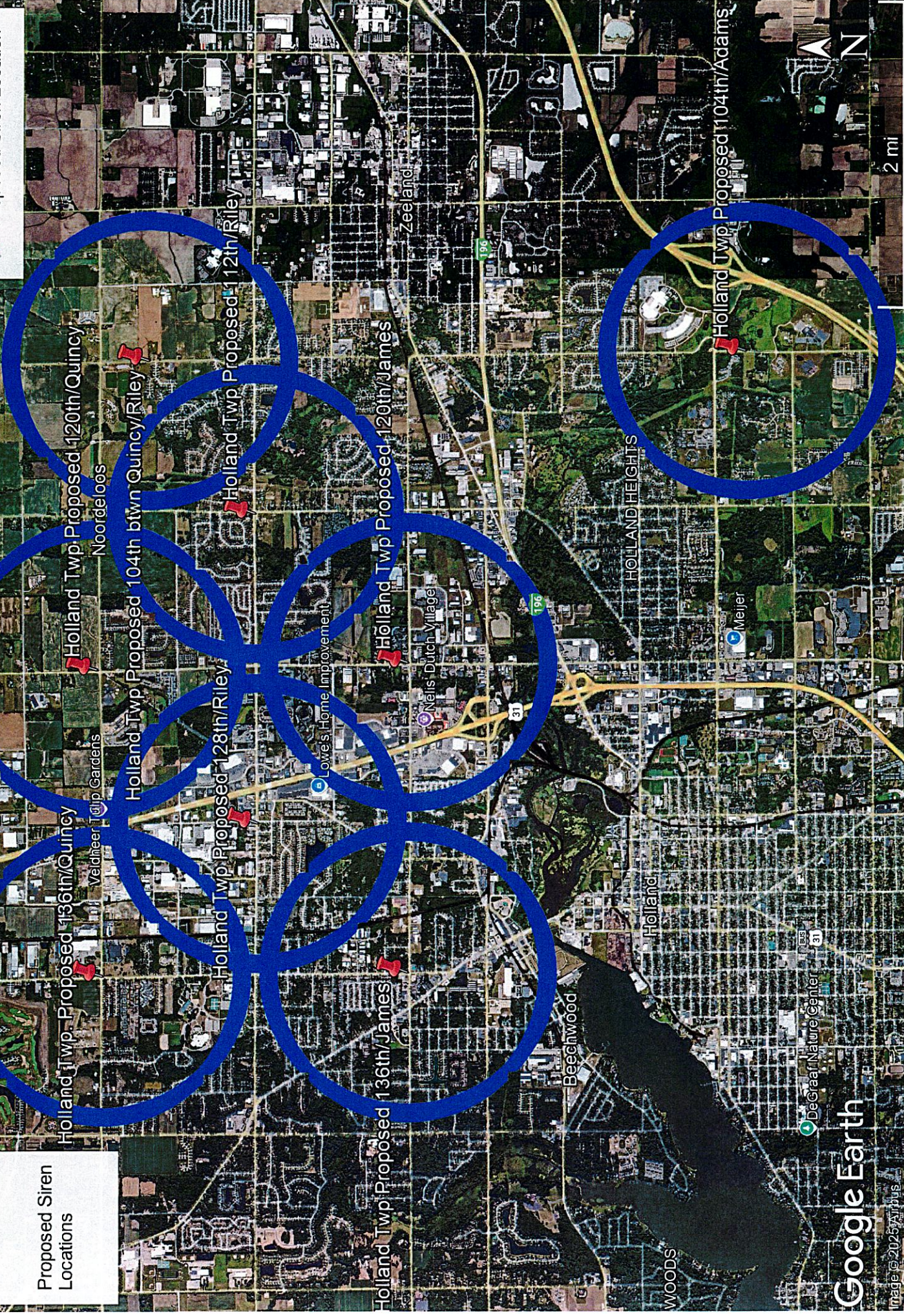
Legend

 4,800FT.

 Proposed Siren Location

4,800FT.

Proposed Siren Location



Google Earth

Image © 2025 Airbus

2 mi